J. Indian Chem. Soc.,
Vol. 80, December 2003, p. 1217-1243

Journal of the Indian Chemical Society

Vol. 80, 2003

Subject Index

Ab initio calculations

Effect of introducing α^2,λ^3-phosphorus in indolizine nucleus : a theoretical study, 997

Acetone

Model simulation of Belousov-Zhabotinskii reaction containing oxalic acid and acetone as mixed organic substrate in CSTR mode, 100

Activated complexes

Kinetics and mechanism of the oxidation of some unsaturated acids by quinolinium bromochromate, 820

Acylaminooctadienediol

Galactocerebroside and other secondary metabolites of sea mouse *Chloeia parva*, 1103

Acylation

Synthesis of 5-acylamino-1,2-dihydro-1-pyrrolizinones, 851

Reaction of β-aminocrotononitrile with acid chlorides : a study on regiopreference, 1143

Acylglycerol

Galactocerebroside and other secondary metabolites of sea mouse *Chloeia parva*, 1103

β_3-Adrenergic

Quantitative structure-activity studies of imidazolidinone benzene sulfonamides : human β_3-adrenergic receptor agonists acting as antiobesity drugs, 858

Adsorbents

A comparative assessment of adsorbents prepared from industrial wastes for the removal of cationic dye, 267

Advertisement

615, 946

Air pollution

Monitoring air pollution using infrared photoacoustic spectra of organic vapours, 341

Alcohols

Kinetics and mechanism of micellar catalyzed autoxidation of ethanol, propanol and *n*-butanol by *N*-bromobenzamide, 787

Aldehydes

Regeneration of aldehydes from oximes, semicarbazones, phenylhydrazones and tosylhydrazones using phosphorus pentoxide in solvent-free condition under microwave irradiation, 184

Aldohexoses

Kinetics and mechanism of electron transfer reactions of iron(III) perchlorate with aldohexoses in presence of 2,2′-bipyridyl, 759

Alkali metals

Conductances of alkali metal chlorides and bromides in aqueous binary mixture of 2-methoxyethanol at 298.15 K, 21

Alkylamidobetaines

Analysis of trace levels of toxic sodium monochloroacetate in alkylamidobetaines by HPLC, 199

Alkylaquocobaloximes

Equilibrium constants for the pH-dependent axial ligation of alkyl(aquo)cobaloximes by pyridine and substituted pyridines, 683

***C*- vs *O*-Alkylation**

Chemical consequences of the ground-state conformations of cyclooctyl rings. Examples of reactivity differences in α-hydroxy and α,α′-dihydroxy eight-membered cyclic ketones, 1201

Alkylenedithiophosphate

Molecular adducts of some triphenyltin(IV) *O,O′*-alkylene dithiophosphates, 38

Alkylglycerol

Galactocerebroside and other secondary metabolites of sea mouse *Chloeia parva*, 1103

Alkylmercaptoquinolinone

Studies in thio-Claisen rearrangement : facile regioselective synthesis of 2*H*-thiopyrano[3,2-*c*]quinolin-5(6*H*)-ones, 1077

Allylic alkylation

Applications of nonstabilized enolates as nucleophiles in palladium catalyzed allylic alkylations, 957

Alumina

Crystallization of alumina in aluminosilicate matrix, 723

Aluminium isopropoxide

Golden jubilee of the saga of aluminium isopropoxide, 499

Aluminophosphate

Synthesis of a novel lamellar aluminophosphate $AlPO_4$-L, 691

Aluminosilicate

Crystallization of alumina in aluminosilicate matrix, 723

Amide

Role of amide and urea moieties in molecular recognition, 1111

Amidinothioureas

Synthesis and spectral studies of some novel first transition metal complexes with 1-amidino-3-aryl-substituted-thioureas, 171

Amino acids

A preliminary study on the effect of dose rate on 5-hydroxy-L-tryptophan, L-cysteine and cystamine, 33

Chromatographic separation of amino acids on paper impregnated with zirconium(IV) sulfosalicylate, 866

Reversed phase thin layer chromatography of amino acids on silicone fluid DC200, triaryl phosphate and tri-*n*-butylamine impregnated silic gel-G layers, 926

Applications of nonstabilized enolates as nucleophiles in palladium catalyzed allylic alkylations, 957

Ammonia

Maximum conversion in presence of inert gas, 110

Influence of inert gas on isoconversion curves and equilibrium conversion, 120

Ammonium nitrate

Pressure dependence of thermal decomposition of ammonium nitrate oxidizer, 569

Studies on the densities, viscosities and adiabatic compressibilities of some mineral salts in aqueous binary mixture of tetrahydrofuran at different temperatures, 632

β-Amyrin

Eupacannol, a pentacyclic triterpene of a new skeletal type and other chemical constituents from *Eupatorium cannabinum*, 1209

Analgesic

Synthesis of 5-acylamino-1,2-dihydro-1-pyrrolizinones, 851

Anation reaction

Kinetics and mechanism of the reactions of chromium(III) and L-ornithine in aqueous solution, 810

Annonaceae

Constituents of the Annonaceae species *Miliusa velutina* and *Desmos longiflorus*, 1169

Anthranilic acid-*N*,*N*-diacetic acid

Complex formation of some 3*d*-metal(II) ions with anthranilic acid *N*,*N*-diacetic acid in the absence and in the presence of some typical bidentate (N,N), (N,O^-) and (O^-,O^-) donor ligands, 7

Antibacterial activity

On glucosyl thioureides : synthesis, antibacterial and antifungal studies of certain 2-*S*-tetra-*O*-benzoyl-D-glucopyranosyl-1,5-disubstituted-2,4-isodithiobiurets, 916

Antibacterial agents

Advances in the chemistry of thiazolidinediones as antidiabetic agents, 1045

Antibiotics

Study of mixed ligand complexes and kinetic parameters of [Zn-antibiotics-aspirin] : a polarographic approach, 47

Antifungal activity

Derivatives of paniculatin and their antifungal activity, 1163

Antihistamine

Three simple visible spectrophotometric methods for the assay of cetirizine, 943

Anti-inflammatory

Synthesis of 5-acylamino-1,2-dihydro-1-pyrrolizinones, 851

Antimicrobial

Novel bioactive flavonol glycoside from *Desmodium gangeticum* DC., 1179

Antimony tungstate

Antimony(V) tungstate as a new inorganic ion exchanger useful for removal of chromium(VI), mercury (II) and lead (II), 714

Arginine

Micellar effect on metal-ligand equilibria of magnesium(II) and calcium(II) with L-arginine, 783

Arrhenius rate law

Quantum Brownian motion and generalization of Arrhenius rate law, 511

Arylmethylpyranopyrandiones

A facile method for the synthesis of 2-aryl-7-methylpyrano[4,3-*b*]pyran-4,5[4*H*, 5H*]*-diones, 1035

Arylvinyl halides

Microwave induced halodecarboxylation of α,β-unsaturated carboxylic acids, 1073

Aspergillus niger

Biosorption of cadmium by *Aspergillus niger* from multimetal solution, 899

Effect of transitions metal cations on the production of citric acid using mixed cultures of *Aspergillus niger* and *Candida gulliermondii*, 903

Aspirin

Study of mixed ligand complexes and kinetic parameters of [Zn-antibiotics-aspirin] : a polarographic approach, 47

Autocatalysis

Kinetics and mechanism of micellar catalyzed autoxidation of ethanol, propanol and *n*-butanol by *N*-bromobenzamide, 787

Azodye

Polymetallic complexes. Part-LXXXII. Bis-bidentate and bis-tridentate azodye dimeric complexes of Co^{II}, Ni^{II}, Cu^{II}, Zn^{II}, Cd^{II} and Hg^{II}, 696

Azopyrazoles

Electrochemical investigations on some 1-carboxymethylpyridinium-3-aminophenyl-5-methyl-4-[4′-sulfonamoyl]azopyrazoles, 30

Bauxite

Effect of SiC additive in reaction sintering of bauxite and titania, 166

Benzimidazoles

Synthesis of ruthenium(III) complexes with benzimidazole derivatives, 843

Benzocoumarin

Investigation of the Pechmann reaction between 2,7-dihydroxynaphthalene and ethyl acetoacetate with different condensing agents. Synthesis of benzocoumarin and benzochromone systems and their bi- and bis-derivatives, 853

Benzofuropyrimidines

Synthesis and biological activity of some benzofuro[3,2-*d*]pyrimidines, 187

Benzoic acids

Studies on the effect of substituents on the solvational behavior of 2-, 3- and 4-benzoic acids and their anions in ethanol + water mixtures from conductometric and solubility measurements, 271

Benzothiadiazinedioxides

Facile synthesis of 3,4-dihydro-(2*H*)-1,2,4-benzothiadiazine-1,1-dioxides promoted by samarium diiodide, 637

Benzoxazoles

Hypervalent iodine(III) mediated synthesis of 2-substituted benzoxazoles, 1031

Benzylideneindane

Unusual Schmidt reaction of some 2-benzylideneindane-1,3-diones, 1027

Bicyclononenylmethanesulfonate

Unexpected formation of bicyclo[3.3.1]nonenyl methanesulfonate from tricyclo[4.3.0.$0^{2,9}$]nonan-8-ol, 1015

Biguanide

On mononitrosylcobalt(biguanidinium) complexes, 912

Resolution of dicyanobis(biguanidinium) cobalt(III) chloride, 914

Binary complexes

A novel ionophoretic technique for the study of binary and ternary metal complexes, 807

Binary systems

Excess molar volumes and viscosities for binary mixtures of dipropylene glycol monomethyl ether and of dipropylene glycol monobutyl ether with 1-propanol and 2-propanol at 298.15 K, 824

Biocide activity

Photochemical transformations of chromones, 1007

Biosorption

Biosorption of cadmium by *Aspergillus niger* from multimetal solution, 899

Bisformylation

Chlorine directed formylation of chloroindanones under Vilsmeier-Haack reaction condition, 969

Bis(methyldithiocarbazate)resdiacetophenone

Transition metal complexes of bis(*s*-methyldithiocarbazate) res-diacetophenone, 44

Bismuth bromide

Effect of DMF on the solvation behavior of $BiBr_3$ in MeOH and MeCN as a function of temperature, 755

Body temperature

Body temperature of homeothermic animals – why 36°C; 449

Book reviews

665, 666

Bromides

Conductances of alkali metal chlorides and bromides in aqueous binary mixture of 2-methoxyethanol at 298.15 K, 21

Bromobenzamide

Kinetics and mechanism of micellar catalyzed autoxidation of ethanol, propanol and *n*-butanol by *N*-bromobenzamide, 787

Bromosalicylaldehyde

Synthesis of mixed ligand complexes of nickel-, copper- and zinc(II) with 5-bromosalicylaldehyde and β-diketones, 79

Bromosalicylaldehydethiosemicarbazone

Direct and derivative spectrophotometric determination of cobalt with 5-bromosalicylaldehydethiosemicarbazone, 773

Butylamine

Nucleofuge effect : the kinetic and mechanistic studies of the reactions of some *O*-aryloximes and phenyl naphthyl ether with *n*-butylamine in acetonitrile, 95

Cadmium

Synthetic and structural studies of heterocyclic N_4O_2 aldimine and its bivalent metal complexes, 129

Trace determination of nickel-, cadmium-, copper- and zinc(II) using rhodanine – an amperometric reagent, 143

Biosorption of cadmium by *Aspergillus niger* from multimetal solution, 899

Calcium

Micellar effect on metal-ligand equilibria of magnesium(II) and calcium(II) with L-orginine, 783

Calcium nitrate

Studies on the densities, viscosities and adiabatic compressibilities of some mineral salts in aqueous binary mixture of tetrahydrofuran at different temperatures, 632

Calixarenehydroxamic acid

Calixarenehydroxamic acid : synthesis and characterization, 648

Candida gulliermondii

Effect of transitions metal cations on the production of citric acid using mixed cultures of *Aspergillus niger* and *Candida gulliermondii*, 903

Catalysis

Metal ion catalysis in model electron transfer reactions, 297

Cement

Determination of some trace elements in cement and cement raw materials by atomic absorption spectro-metry, 197

Chemistry of portland cement, 319

Cesium uptake studies on synthetic [$KMg_3(Si_3AlO_{10})$-OH_2] gel and ordinary portland cement admixture, 642

Ceramides

Synthesis of sphingosine relatives. Part-26 : Synthesis of ceramide 1{(2*S*,3*R*,4*E*)-*N*-[30'-(linoleoyloxy)- triacontanoyl]-4-sphingenine}, a unique constituent of human skin, 1081

Cesium

Synthesis and crystallochemical interaction of titania and zirconia based ceramic precursors, 373

Cesium uptake studies on synthetic [$KMg_3(Si_3AlO_{10})$-OH_2] gel and ordinary portland cement admixture, 642

Cetirizine

Three simple visible spectrophotometric methods for the assay of cetirizine, 943

Cetyltrimethylammonium bromide

Water-in-oil microemulsion : influence of co-surfactant chain-length and nature of emulsifier, 305

Chalcogenides

Studies on photoelectrochemical conversion, 441

Challenges to the chemist

The brave new chemist : challenges for 21st century, 985

Chemical education

Chemistry of portland cement, 319

The brave new chemist : challenges for 21st century, 985

Chiral ligands

Applications of nonstabilized enolates as nucleophiles in palladium catalyzed allylic alkylations, 957

Chisocheton paniculatus

Derivatives of paniculatin and their antifungal activity, 1163

Chloeia parva

Galactocerebroside and other secondary metabolites of sea mouse *Chloeia parva*, 1103

Chloramine-T

A new method for the determination of some organophosphate insecticides, 717

Chlorides

Conductances of alkali metal chlorides and bromides in aqueous binary mixture of 2-methoxyethanol at 298.15 K, 21

Chloroaluminate

Ionic liquids : the new generation solvents, 1153

Chlorobenzotriazole

Microwave induced halodecarboxylation of α,β-unsaturated carboxylic acids, 1073

Chloroindanone

Chlorine directed formylation of chloroindanones under Vilsmeier-Haack reaction condition, 969

Chlorophthalimide

Synthesis of 5-acylamino-1,2-dihydro-1-pyrrolizinones, 851

Chromatography

Chromatography of synthetic dyes on mixed sorbent layers, 60

Analysis of trace levels of toxic sodium monochloroacetate in alkylamidobetaines by HPLC, 199

Chromium

Direct determination of cobalt, chromium and manganese in gallium matrix by ETA-AAS technique, 106

Removal of chromium(VI) from aqueous solution using low cost adsorbent, 661

Antimony(V) tungstate as a new inorganic ion exchanger useful for removal of chromium(VI), mercury(II) and lead(II), 714

Application of a chelating resin containing imidazole-4,5-dicarboxylic acid in chromium speciation, 769

Kinetics and mechasim of the reactions of chromium(III) and L-ornithine in aqueous solution, 810

Chromones

Photochemical transformations of chromones, 1007

Cinnamic acid

Regiospecific conversion of substituted cinnamic acids to cinnamyl alcohols, 923

Cinnamyl alcohol

Regiospecific conversion of substituted cinnamic acids to cinnamyl alcohols, 923

Citric acid

Effect of transition metal cations on the production of citric acid using mixed cultures of *Aspergillus niger* and *Candida gulliermondii*, 903

S→N Claisen rearrangement

A one-pot synthesis of alkyl 5-amino-2-mercaptothiazole- 4-carboxylates and sulphur-Claisen type rearrangement reactions of the corresponding *S*-allyl/propargyl compounds, 1037

Cobaloximes

Coenzyme B_{12} model studies : synthesis and axial ligation of alkyl(aquo)cobaloximes with biologically important ligands, 11

Synthesis of thiocyanato(pyridine) cobaloximes, 677

Cobalt

Coenzyme B_{12} model studies : synthesis and axial ligation of alkyl(aquo)cobaloximes with biologically important ligands, 11

Mixed ligand complexes of manganese, cobalt and zinc with 2-pyridinealdoxime and some neutral ligands, 49

Direct determination of cobalt, chromium and manganese in gallium matrix by ETA-AAS technique, 106

Synthetic and structural studies of a novel nitrogen containing dinucleating macrocycle, 127

Synthetic and structural studies of heterocyclic N_4O_2 aldimine and its bivalent metal complexes, 129

Sequential separation and spectrophotometric determination of cobalt and nickel using α-oximinoacetoacetanilide benzoylhydrazone, 145

Mixed ligand chelates of some multidentate heterocycles with cobalt(II) and nickel(II) imides, 174

Analytical application of *m*-methylphenylazo-bisacetoxime in the spectrophotometric determination of cobalt(II), 659

Synthesis of thiocyanato(pyridine)cobaloximes, 677

A novel ionophoretic technique in the study of binary and ternary complexes of nickel(II) and cobalt(II), 680

Equilibrium constants for the pH-dependent axial ligation of alkyl(aquo)cobaloximes by pyridine and substituted pyridines, 683

Complexes of manganese(III) and cobalt(III) with some salicylidene-4,4-disubstituted-3-thiosemicarbazides, 693

Direct and derivative spectrophotometric determination of cobalt with 5-bromosalicylaldehydethiosemicarbazone, 773

Studies on *N*-[2-thienylmethylidene]-α-hydroxy-1-aminoethane complexes of cobalt-, nickel- and copper(II), 780

On mononitrosylcobalt(biguanidinium) complexes, 912

Resolution of dicyanobis(biguanidinium)cobalt(III) chloride, 914

Cobalt oxide

Kinetics of surface-catalyzed autoxidation of aqueous sulfur dioxide in cobalt(III) oxide suspensious, 391

Complex

Complexes of thorium(IV) salts with morpholinomethylurea and related ligands, 909

Complexation

Complexing behavior of 2-amino-4-benzamidothiosemicarbazide towards some 3*d*-metals, 907

Compositae

Oxygenated germacranolides from Compositae and their taxonomic significance, 971

Composite solid propellant

Studies on energetic compounds. Part-34. Effect of some BEMN complexes on the condensed phase thermolysis of HTPB-AP composite solid propellants, 361

Condensed phase thermolysis

Studies on energetic compounds. Part-34. Effect of some BEMN complexes on the condensed phase thermolysis of HTPB-AP composite solid propellants, 361

Conductance

Conductances of alkali metal chlorides and bromides in aqueous binary mixture of 2-methoxyethanol at 298.15 K, 21

Coordination chemistry

Coordination chemistry at the turn of the century, 601

Copper

Synthesis of mixed ligand complexes of nickel-, copper- and zinc(II) with 5-bromosalicylaldehyde and β-diketones, 79

pH-metric studies of copper(II) and thorium(IV) complexes with substituted pyrazolines and pyrazoles, 136

Trace determination of nickel-, cadmium-, copper- and zinc(II) using rhodanine – an amperometric reagent, 143

Synthesis and stability studies in physiological-like conditions of a new compound of copper(II) with mixed ligands, 673

Cyclic voltammetric investigations of copper(II)-chloro and -bromo complexes in aqueous medium, 751

Synthesis of copper(II) toluate adducts with substituted morpholines, 747

Studies on *N*-[2-thienylmethylidene]-2-hydroxy-1-aminoethane complexes of cobalt-, nickel- and copper(II), 780

A facile spectrophotometric method for the determination of copper(II) using variamine blue as a chromogenic reagent, 937

Corrosion inhibition

Corrosion inhibition of mild steel in aqueous solutions of alcohol, 663

Crown ether

Host-guest complexes : spectroscopic and thermodynamic studies of crown ethers – dyes, 626

Crystal engineering

Crystal engineering – retrospect and prospect, 151

Cyanoethylpyrrole

Synthesis of 5-acylamino-1,2-dihydro-1-pyrrolizinones, 851

Cycloaddition

Photochemical transformations of chromones, 1007

Cyclodimerization

Cyclodimeriazation of 1,1-dicyanoalkenes and arylidene-cyanoacetates promoted by ytterbium diiodide, 163

Cyclohexenones

Synthesis and antimicrobial screening of cyclohexenones and oxazines, 55

Cyclooxygenase inhibitors

Synthesis of fused sulfonamide (1,1-dioxoisothiazole) substituted 1,5-diarylpyrazoles as cyclooxygenase inhibitors, 1095

Cyclopentanones

Facile total synthesis of (±)-α-herbertenol, (±)-1,4-cuparenediol and (±)-cuparene-1,4-dione, 989

Cyclopentenes

Cyclodimerization of 1,1-dicyanoalkenes and arylidene-cyanoacetates promoted by ytterbium diiodide, 163

Density

Studies on the densities, viscosities and adiabatic compressibilities of some mineral salts in aqueous binary mixture of tetrahydrofuran at different temperatures, 632

Derivative spectrophotometry

Simultaneous second derivative spectrophotometric determination of nickel(II) and copper(II) in alloys using diacetylmonoxime benzoylhydrazone (DMBH), 930

Desmodium gangeticum

Novel bioactive flavonol glycoside from *Desmodium gangeticum* DC., 1179

Desmos longiflorus

Constituents of the Annonaceae species *Miliusa velutina* and *Desmos longiflorus*, 1169

Diacetylmonoxime benzoyl hydrazone

Simultaneous second derivative spectrophotometric determination of nickel(II) and copper(II) in alloys using diacetylmonoxime benzoylhydrazone (DMBH), 930

Dibromination

Tetradecyltrimethylammonium permanganate : a novel potassium permanganate derived reagent for *trans* dichlorination, *trans*-dibromination and *cis*-dihydroxylation of olefins, 1065

Dichlorination

Tetradecyltrimethylammonium permanganate : a novel potassium permanganate derived reagent for *trans*-dichlorination, *trans*-dibromination and *cis*-dihydroxylation of olefins, 1065

Dichrostachys cinerea

Aliphatics and triterpenoids from the heartwood of *Dichrostachys cinerea*, 656

Dihydropyrimidinones

Oxalic acid – a new catalyst for the synthesis of dihydropyrimidinones in solvent-free condition, 1175

Dihydroxylation

Tetradecyltrimethylammonium permanganate : a novel potassium permanganate derived reagent for *trans*-dichlorination, *trans*-dibromination and *cis*-dihydroxylations of olefins, 1065

Dihydroxypyrimidinones

Iron(III)-catalyzed synthesis of dihydroxypyrimidnones in solvent-free condition under microwave irradiation, 51

Diketones

Synthesis of mixed ligand complexes of nickel-, copper- and zinc(II) with 5-bromosalicylaldehyde and β-diketones, 79

Diketopiperazines

Synthesis of diketopiperazines containing prolinyl unit – cyclo(L-prolinyl-L-leucine), cyclo(L-prolinyl-L-isoleucine) and cyclo(L-tryptophyl-L-proline), 765

Dimethylacetamide

Excess molar volumes and viscosity deviations in binary mixtures of *N,N*-dimethylacetamide with formamide and *N,N*-dimethylformamide at 298.15, 308.15 and 318.15 K, 385

Dimethylformamide

Excess molar volumes and viscosity deviations in binary mixtures of *N,N*-dimethylacetamide with formamide and *N,N*-dimethylformamide at 298.15, 308.15 and 318.15 K, 385

Dinuclear complex

Formation of thiocyanato bridged dinuclear ruthenium(III) complex ion by the reaction between thiocyanato-pentaaminеruthenium(III) and aqua-pentaaminеruthenium(III) complex ions in aqueous medium, 744

Dioxane

Conformational study of 1,2-dioxane molecule and its halogenated derivatives from the semiempirical AM1 and PM3 molecular orbital methods – a comparative analysis, 14

Dipeptidylpeptidase, IV

Purification and characterization of dipeptidylpeptidase IV from goat brain, 1019

Dipropylene glycol monobutyl ether

Excess molar volumes and viscosities for binary mixtures of dipropylene glycol monomethyl ether and of dipropylene glycol monobutyl ether with 1-propanol and 2-propanol at 298.15 K, 824

Dipropylene glycol monomethyl ether

Excess molar volumes and viscosities for binary mixtures of dipropylene glycol monomethyl ether and of dipropylene glycol monobutyl ether with 1-propanol and 2-propanol at 298.15 K, 824

Dipyridylthiourea

N,N'-Dipyridylthiourea as a new sensitive reagent for the extraction and spectrophotometric determination of osmium(VI) and iridium(III), 797

Dioxodihydrobenzoisothiazolyl diarylpyrazoles

Synthesis of fused sulfonamide (1,1-dioxoisothiazole) substituted 1,5-diarylpyrazoles as cyclooxygen as inhibitors, 1095

Dye surfactant interaction

Fluorescence spectra of thiazine dyes in micellar solution of different surfactants, 427

Dyes

Chromatography of synthetic dyes on mixed sorbent layers, 60

Host-guest complexes : spectroscopic and thermodynamic studies of crown ethers – dyes, 626

Eco-friendly

Ionic liquids : the new generation solvents, 1153

Electrochemistry

Electrochemical investigations on some 1-carboxymethylpyridinium-3-amino phenyl-5-methyl-4-[4′-sulfonamoyl]azopyrazoles, 30

Cyclic voltammetric investigations of copper(II)-chloro and -bromo complexes in aqueous medium, 751

Electrochemical codeposition

Studies on photoelectrochemical conversion, 441

Electrochemical deposition

Some aspects of pattern formation during electrochemical deposition of metals, 351

Electrokinetic phenomena

Liquid membrane phenomena : characterization of liquid membranes generated by binary mixtures of surfactants, 241

Electronegativity

A constrained variational route to Pauling's electronegativity values, 521

The scales and concept of electronegativity, 527

Electroosmosis

Liquid membrane phenomena : characterization of liq-

uid membranes generated by binary mixtures of surfactants, 241

Electrophilic nature

Mild and efficient iodine catalyzed protection of carbonyl compounds as oxathiolane derivatives, 1005

Electrostriction

Volumetric, viscometric and ultrasonic studies of some nitrate compounds in aqueous binary mixture of tetrahydrofuran at various temperatures, 886

Epidermis

Synthesis of sphingosine relatives. Part-26 : Synthesis of ceramide 1 {2*S*, 3*R*, 4*E*)-*N*-[30′-(linoleoyloxy)-triacontanoyl]-4-sphingenine}, a unique constituent of human skin, 1081

Epoxide

Peroxyacid oxidations : kinetics and mechanism of oxidation of α,β-unsaturated ketones by peroxomonophosphoric acid and peroxomonosulfuric acid, 879

Epoxycarbonate

Chemical consequences of the ground-state conformations of cyclooctyl rings. Examples of reactivity differences in α-hydroxy and α,α′-dihydroxy eight-membered cyclic ketones, 1201

7α,8α-Epoxy multiflorenyl acetate

Acid-catalyzed reactions of 7α,8α-epoxy multiflorenyl acetate, 832

Equilibrium constant

Equilibrium constants for the pH-dependent axial ligation of alkyl(aquo)cobaloximes by pyridine and substituted pyridines, 683

Errata

64, 800

Esters

Resin-catalyzed hydrolysis of some esters in aqueous and non-aqueous mixtures, 700

Ester enolates

Applications of nonstabilized enolates as nucleophiles in palladium catalyzed allylic alkylations, 957

Ethanol

Study of solvation interaction in ethanol + octan-1-ol mixture, 335

Eupacannol

Eupacannol, a pentacyclic triterpene of a new skeletal type and other chemical constituents from *Eupatorium cannabinum*, 1209

Eupatorium cannabinum

Eupacannol, a pentacyclic triterpene of a new skeletal type and other chemical constituents from *Eupatorium cannabinum*, 1209

Europium

Eupacannol, a pentacyclic triterpene of a new skeletal type and other chemical constituents from *Eupatorium cannabinum*, 1209

Excess molar volumes

Excess molar volumes and viscosity deviations in binary mixtures of *N,N*-dimethylacetamide with formamide and *N,N*-dimethylformamide at 298.15, 308.15 and 318.15 K, 385

Fatty acids

Fatty acid composition of some minor seed oils from arid zone of Rajasthan, 141

Flavonol

Novel bioactive flavonol glycoside from *Desmodium gangeticum* DC., 1179

Fluorescence spectra

Fluorescence spectra of thiazine dyes in micellar solution of different surfactants, 427

Fly ash

Utilization of fly ash and blast furnace slag for the preparation of mullite based composites, 720

Formaldehyde

Facile one-pot green chemical synthesis of 1,3,5-tri(quinazolinyl/benzothiazolyl/benzimidazolyl)-*s*-triazines in aqueoous medium under microwaves, 1183

Formamide

Excess molar volumes and viscosity deviations in binary mixtures of *N,N*-dimethylacetamide with formamide and *N,N*-dimethylformamide at 298.15, 308.15 and 318.15 K, 385

Formylcoumarins

Unusual selectivities of Gignards and organocuprates with formylcoumarins : stereochemical as well as

conformational characteristies of the oxygen-heterocycles, 979

Fuel

Endothermic fuels for supersonic ramjet, 535

Galactocerebrosides

Galactocerebroside and other secondary metabolites of sea mouse *Chloeia parva*, 1103

Gallium

Direct determination of cobalt, chromium and manganese in gallium matrix by ETA-AAS technique, 106

Gamma irradiation

A preliminary study on the effect of dose rate on 5-hydroxy-L-tryptophan, L-cysteine and cystamine, 33

Germacranolides

Oxygenated germacranolides from compositae and their taxonomic significance, 971

Glass

UV light-aided immobilization of oligonucleotides on glass surface using *N*-(3-trifluoroethanesulfonyl-oxypropyl)anthraquinone-2-carboxamide (NTPAC) and detection of single nucleotide mismatches, 1193

Glycoside

Novel bioactive flavonol glycoside from *Desmodium gangeticum* DC., 1179

Glucosylthioureides

On glucosylthioureides : synthesis of 3-aryl-2-phenylimino-6-*p*-tolylimino-4-*S*-tetra-*O*-benzoyl-D-glucopyranosyl-2,3-dihydro-1,3,5-thiadiazines (hydrochlorides) and their antibacterial and antifungal studies, 654

Goat brain

Purification and characterization of dipeptidylpeptidase IV from goat brain, 1019

Grignards

Unusual selectivities of Gignards and organocuprates with formylcoumarins : stereochemical as well as conformational characteristics of the oxygen-heterocycles, 979

***N*-Heterocycles**

Excited state intermolecular proton transfer reactions in few *N*-heterocyclic systems, 419

Heterocyclic amines

Facile one-pot green chemical synthesis of 1,3,5-tri-(quinazolinyl/benzothiazolyl/benzimidazolyl)-*s*-triazines in aqueous medium under microwaves, 1183

Histidine

Synthesis and stability studies in physiological-like conditions of a new compound of copper(II) with mixed ligands, 673

History

Coordination chemistry at the turn of the century, 601

The Indian Chemical Society and its Journal, 727

Hollandite

Synthesis and crystallochemical interaction of titania and zirconia based ceramic precursors, 373

Host-guest complexes

Host-guest complexes : spectroscopic and thermodynamic studies of crown ethers – dyes, 626

Hydrazinium nitroformate

Ecofriendly energetic oxidizer-hydrazinium nitroformate (HNF) and propellants based on HNF, 563

Hydrazinolysis

Synthesis of 5-acylamino-1,2-dihydro-1-pyrrolizinones, 851

Hydrazones

Stability constants and thermodynamics of complexation of Schiff base hydrazones derived from 3-hydrazino-6-phenylpyridazine and acetophenone derivatives, 622

Hydrogen

Microstructure and activity of platinized CdS-Al_2O_3 photocatalysts for reduction of water to hydrogen by visible light, 395

Hydrogen bonding

Influence of π-stacking along with hydrogen bonding interactions in the recognition of monocarboxylic acids, 1187

Hydrolysis

Resin-catalyzed hydrolysis of some esters in aqueous and non-aqueous mixtures, 700

Kinetics of resin-catalyzed hydrolysis of propionamide in aqueous and nonaqueous media, 762

Hydrolytic degradation

Catalytic action of water-miscible organic solvents on the hydrolytic degradation of phosphate glasses, 379

Hydroxopentaaquarhodium

Kinetics and mechanism of the reaction of hydroxopentaaquarhodium(III) ion with picolinic acid in aqueous media, 82

Hydroxyformylbenzoic acid

Excited state intramolecular proton transfer in 4-hydroxy-3-formylbenzoic acid at room temperature and 77 K, 473

α-Hydroxylation

Chemical consequences of the ground-state conformations of cyclooctyl rings. Examples of reactivity differences in α-hydroxy and α,α′-dihydroxy eight-membered cyclic ketones, 1201

Hydroxytryptophan

Mechanism of radioprotection by 5-hydroxy-L-tryptophan, 619

Hypervalent iodine

Hypervalent iodine(III) mediated synthesis of 2-substituted benzoxazoles, 1031

Imides

Mixed ligand chelates of some multidentate heterocycles with cobalt(II) and nickel(II) imides, 174

Imidazodicarboxylic acid

Application of a chelating resin containing imidazole-4,5-dicarboxylic acid in chromium speciation, 769

Immobilization

UV light-aided immobilization of oligonucleotides on glass surface using *N*-(3-trifluoroethanesulfonyloxypropyl)anthraquinone-2-carboxamide (NTPAC) and detection of single nucleotide mismatches, 1193

Impregnation

Reversed phase thin layer chromatography of amino acids on silicone fluid DC200, triaryl phosphate and tri-*n*-butylamine impregnated silic gel-G layers, 926

Indian Chemical Society history

The Indian Chemical Society and its Journal, 727

Indicators

Natural dyes as neutralization indicators – a short review, 505

Indinavir sulfate

Spectrophotometric methods for the determination of indinavir sulfate, 777

Indium chloride

A simple, general and improved procedure for phosphorylation of alcohols catalyzed by indium(III) chloride, 1063

Indolizines

Effect of introducing α^2,λ^3-phosphorus in indolizine nucleus : a theoretical study, 997

Informations for Authors

65

Inner-sphere complex

Kinetics and mechanism of the reactions of chromium(III) and L-ornithine in aqueous solution, 810

Iodine

Mild and efficient iodine catalyzed protection of carbonyl compounds as oxathiolane derivatives, 1005

Ion exchange

Studies on a new composites material polyaniline-zirconium(IV) tungstophosphate – a thorium(IV) selective cation exchanger, 57

Antimony(V) tungstate as a new inorganic ion exchanger useful for removal of chromium(VI), mercury(II) and lead(II), 714

Ion-solvent interaction

Studies on the effect of substituents on the solvational behavior of 2-, 3- and 4-benzoic acids and their anions in ethanol + water mixtures from conductometric and solubility measurements, 271

Ionic liquids

Ionic liquids : the new generation solvents, 1153

Ionophoretic technique

A novel ionophoretic technique for the study of binary and ternary metal complexes, 807

IR photoacoustics

Monitoring air pollution using infrared photoacoustic spectra of organic vapours, 341

Ir spectra

Template synthesis of Cr^{III}, Fe^{III}, Co^{II}, Ni^{II}, Cu^{II} and Zn^{II} complexes of 14- and 16-membered tetraazamacrocycles, 803

Iridium

N,N'-Dipyridylthiourea as a new sensitive reagent for the extraction and spectrophotometric determination of osmium(VI) and iridium(III), 797

Iron

Analytical application of *p*-sulfonamidophenylazo-bis-acetoxime in the spectrophotometric determination of iron(III), 793

New extraction-spectrophotometric determination of iron(III) with potassium isobutyl xanthate, 795

Effect of hydrogen-ion concentration of stability of 1 : 1 complex of iron(II) with salicylic acid and its different derivatives, 848

Iron perchlorate

Kinetics and mechanism of electron transfer reactions of iron(III) perchlorate with aldohexoses in presence of 2,2′-bipyridyl, 759

Irreversible thermodynamics

Thermodynamic stability of some elementary chemical reactions investigated within the framework of comprehensive thermodynamic theory of stability of irreversible processes (CTTSIP), 583

Isoselenocyanates

An efficient and convenient route to some isoselenocyanates via reaction of formamides with bis(trichloromethyl)carbonate and selenium, 645

Isoxazoles

Synthesis and biological activity of 3-aryl-5-(3′-bromo/chlorophenyl)isoxazoles, 707

Kelsoene

Synthesis of highly functionalised 3-oxatricyclo-[6.2.0.$0^{2,6}$]decanes towards the synthesis of kelsoene and spatol, 1057

α-Ketols

Chemical consequences of the ground-state conformations of cyclooctyl rings. Examples of reactivity differences in α-hydroxy and α,α′-dihydroxy eight-membered cyclic ketones, 1201

Ketone enolates

Applications of nonstabilized enolates as nucleophiles in palladium catalyzed allylic alkylations, 957

Kinetics

Kinetics and mechanism of the reaction of hydroxopentaaquarhodium(III) ion with picolinic acid in aqueous media, 82

Kinetics of dissociation of tris(1,10-phenanthroline) iron(II) in aqueous and reverse micellar media – catalysis of Cu^{II}, Ni^{II} and Co^{II} ions, 86

Kinetics of oxidative degradation of DL-methionine by cerium(IV) in aqueous perchloric acid media, 91

Nucleofuge effect : the kinetic and mechanistic studies of the reactions of some *O*-aryloximes and phenyl naphthyl ether with *n*-butylamine in acetonitrile, 95

Kinetic study of electron transfer reaction between bis-acetylacetonatodiaquomanganese(III) perchlorate and thiosulfate, and in investigation of factors influencing the electron transfer process, 156

Kinetics of irradiated semiconductor catalyzed degradation of picric acid, 181

Concentration dependence of reaction rates and mechanism, 215

Substitution reactions of ligand bridged multinuclear complexes of platinum group metal ions, 227

Kinetics and mechanism of ruthenium(III) chloride catalyzed oxidation of phosphorous acid by peroxomonosulfate in acetate buffers, 233

Kinetics of surface-catalyzed autoxidation of aqueous sulfur dioxide in cobalt(III) oxide suspensions, 391

Down the polyhalide path, 431

Kinetic studies on the oxidation of oxalate and malonate by bis(μ-oxo)manganese(III, IV)-cyclam complex, 545

Kinetics and mechanism of electron transfer reactions of iron(III) perchlorate with aldohexoses in presence of 2,2′-bipyridyl, 759

Kinetics of resin-catalyzed hydrolysis of propionamide in aqueous and nonaqueous media, 762

Kinetics and mechanism of micellar catalyzed autoxidation of ethanol, propanol and *n*-butanol by *N*-bromobenzamide, 787

Kinetics and mechanism of the reactions of chromium(III) and L-ornithine in aqueous solution, 810

Kinetics and mechanism of the oxidation of formic and oxalic acids by quinolinium bromochromate, 815

Kinetics and mechanism of the oxidation of some unsaturated acids by quinolinium bromochromate, 820

Peroxyacid oxidations : kinetics and mechanism of oxidation of α,β-unsaturated ketones by peroxomonophosphoric acid and peroxomonosulfuric acid, 879

Knoevenagel condensation

Microwave-assisted Knoevenagel condensation of ethyl cyanoacetate with aldehydes in solvent-free condition, 921

Lanthanides

Trends in spectral parameters and nephelauxetic ratio values for some lanthanoid(III)-tiron complexes. Part-II, 640

Lead

Synthesis of bivalent mercury, lead, tin and zinc metal complexes with *N,N*-bis(morpholinobenzyl)urea : a photoelectron spectroscopic study, 42

Antimony(V) tungstate as a new inorganic ion exchanger useful for removal of chromium(VI), mercury(II) and lead(II), 714

Lipid

Lipid profile and fatty acid composition in eggs of *Mugil parsia* in comparison with tissue lipid, 192

Liquid membrane

Liquid membrane phenomena : characterization of liquid membranes generated by binary mixtures of surfactants, 241

List of Donors and Advertisers

616

Lithium titanium molybdate

Synthesis and photoelectrochemical studies on lithium titanium(IV) molybdate, 669

Lyapunov function

Thermodynamic stability of some elementary chemical reactions investigated within the framework of comprehensive thermodynamic theory of stability of irreversible processes (CTTSIP), 583

Macrocyclic complexes

Synthetic and structural studies of a novel nitrogen containing dinucleating macrocycle, 127

Template synthesis of Cr^{III}, Fe^{III}, Co^{II}, Ni^{II}, Cu^{II} and Zn^{II} complexes of 14- and 16-membered tetraazamacrocycles, 803

Magnesium

Micellar effect on metal-ligand equilibria of magnesium(II) and calcium(II) with L-arginine, 783

Magnesium nitrate

Studies on the densities, viscosities and adiabatic compressibilities of some mineral salts in aqueous binary mixture of tetrahydrofuran at different temperatures, 632

Malachite green

Tween 20 and malachite green : a new reagent system for the micro-determination of phosphate in water and waste water, 868

Malonate

Kinetic studies on the oxidation of oxalate and malonate by bis(μ-oxo)manganese(III, IV)-cyclam complex, 545

Manganese

Physicochemical and biological studies on manganese(II)- and zinc(II)-norfloxacin complexes, 40

Mixed ligand complexes of manganese, cobalt and zinc with 2-pyridinealdoxime and some neutral ligands, 49

Direct determination of cobalt, chromium and manganese in gallium matrix by ETA-AAS technique, 106

Kinetic study of electron transfer reaction between bisacetylacetonatodiaquomanganese(III) perchlorate and thiosulfate, and in investigation of factors influencing the electron transfer process, 156

Extractive spectrophotometric determination of manganese(II) using 4-(methylphenyl)-3-oxobutanamide, 195

Kinetic studies on the oxidation of oxalate and malonate by bis (μ-oxo) manganese(III, IV)-cyclam complex, 545

Complexes of manganese(III) and cobalt(III) with some salicylidene-4,4-disubstituted-3-thiosemicarbazides, 693

Mannich bases

Synthesis and antimicrobial activity of some new aminobenzylated Mannich bases, 711

Mechanism

Peroxyacid oxidations : kinetics and mechanism of oxidation of α,β-unsaturated ketones by peroxomonophosphoric acid and peroxomonosulfuric acid, 879

Mechanism of reaction

A survey of progress on rates and mechanisms of reactions of metal complexes, 459

Meliacius

Derivatives of paniculatin and their antifungal activity, 1163

Membrane technology

Development of membrane technology in BARC, 327

Memorial lecture

Crystal engineering – retrospect and prospect, 151

Mercaptothiazole

A one-pot synthesis of alkyl 5-amino-2-mercaptothiazole-4-carboxylates and sulphur-Claisen type rearrangement reactions of the corresponding *S*-allyl/propargyl compounds, 1037

Mercury

Synthesis of bivalent mercury, lead, tin and zinc metal complexes with *N,N'*-bis(morpholinobenzoyl)urea : a photoelectron spectroscopic study, 42

Antimony(V) tungstate as a new inorganic ion exchanger useful for removal of chromiun(VI), mercury(II) and lead(II), 714

Metals

Some aspects of pattern formation during electrochemical deposition of metals, 351

Metal complexes

A survey of progress on rates and mechanisms of reactions of metal complexes, 459

Metal nanoparticles

Radiolytic and photolytic preparation of metal nanopaticles, 451

Metal oxides

Synthesis of nano-sized metal oxide powders and their application in separation technology, 289

Metal ion catalysis

Metal ion catalysis in model electron transfer reactions, 297

Metallacyclics

Synthetic studies and structural aspects of some novel metallacyclic compounds incorporating nitrogen, oxygen and/or sulfur atoms, 281

Methacrylic acid

Color bands polymer in methacrylic acid polymerization, 559

Methionine

Kinetics of oxidative degradation of DL-methionine by cerium(IV) in aqueous perchloric acid media, 91

Methoxyethanol

Conductances of alkali metal chlorides and bromides in aqueous binary mixture of 2-methoxyethanol at 298.15 K, 21

Methylene blue

A comparative assessment of adsorbents preapred from industrial wastes for the removal of cationic dye, 267

Effect of addition of sodium bicarbonate/carbonate on the rate of photocatalytic bleaching of methylene blue over CdS power, 687

Methylphenylazobisacetoxime

Analytical application of *m*-methylphenylazo-bisacetoxime in the spectrophotometric determination of cobalt(II), 659

Micellization

Physicochemical properties of anionic-nonionic surfactant mixture : α-sulfonatomyristic acid methyl ester (MES)-nonaoxyethylene monododecyl ether ($C_{12}E_9$), 345

Microbial degrardation

Microbial degradation of polyhydroxy ether of bisphenol-A using pseudomonous species, 147

Microemulsion

Water-in-oil microemulsion : influence of co-surfactant chain-length and nature of emulsifier, 305

Microfiltration

Development of membrane technology in BARC, 327

Microwave

Microwave-assisted Knoevenagel condensation of ethyl cyanoacetate with aldehydes in solvent-free condition, 921

Microwave induced halodecarboxylation of α,β-unsaturated carboxylic acids, 1073

Facile one-pot green chemical synthesis of 1,3,5-tri-(quinazolinyl/benzothiazolyl/benzimidazolyl)-*s*-triazines in aqneons medium under microwaves, 1183

Microwave-assisted reactions

Iron(III)-catalyzed synthesis of dihydroxy pyrimidnones in solvent-free condition under microwave irradiation, 51

Regeneration of aldehydes from oximes, semicarbazones, phenylhydrazones and tosylhydrazones using phosphorus pentoxide in solvent-free condition under microwave irradiation, 184

Miliusa velutina

Constituents of the Annonaceae species *Miliusa velutina* and *Desmos longiflorus*, 1169

Mismatch

UV light-aided immobilization of oligonucleotides on glass surface using *N*-(3-trifluoroethanesulfoxylonypropyl) anthraquinone-2-carboxamide (NTPAC) and detection of single nucleotide mismatches, 1193

Mixed ligand complexes

Synthesis and characterization of mixed ligand complexes of manganese-, iron-, cobalt- and nickel(II) with some disubstituted pyridines and catechol, 845

Molar volume

Excess molar volumes and viscosities for binary mixtures of dipropylene glycol monomethyl ether and of dipropylene glycol monobutyl ether with 1-propanol and 2-propanol at 298.15 K, 824

Molecular discrimination

Molecular discriminative binding behaviour of crosslinked polyvinylpyrrolidone with analogous dyes orange G and orange H, 894

Molecular orbital

Conformational study of 1,2-dioxane molecule and its halogenated derivatives from the semiempirical AM1 and PM3 molecular orbital methods – a comparative analysis, 14

Molecular rearrangement

Acid-catalyzed reactions of 7α,8α-epoxy multiflorenyl acetate, 832

Molecular recognition

Influence of π-stacking along with hydrogen bonding interactions in the recognition of monocarboxylic acids, 1187

Monochloroniobium phenoxide

Synthesis and reactivity of monochlorotetraphenoxoniobium(V) complexes, 875

Montmorillonite

The influence of shear rate and rest time on the thixotropy of the complex thixotropic suspension of Fe-Al-Mg-MMH/montmorillonite, 160

Morpholines

Synthesis of copper(II) toluate adducts with substituted morpholines, 747

Mugel parsia

Lipid profile and fatty acid composition in eggs of *Mugil parsia* in comparison with tissue lipid, 192

Myricetintrimethyl ether

Myricetin-7,3′,4′,7-trimethyl ether from the leaves of *Premna tomentosa*, 792

Nanofiltration

Development of membrane technology in BARC, 327

Nanoparticles

Synthesis of nano-sized metal oxide powders and their application in separation technology, 289

Radiolytic and photolytic preparation of metal nanoparticles, 451

Semiconductor nanoparticles (CdS, ZnS and Zn_xCdS_{1-x}) in reverse micellar media, 551

Nickel

Synthesis of mixed ligand complexes of nickel, copper- and zinc(II) with 5-bromosalicylaldehyde and β-diketones, 79

Synthetic and structural studies of a novel nitrogen containing dinucleating macrocycle, 127

Synthetic and structural studies of heterocyclic N_4O_2 aldimine and its bivalent metal complexes, 129

Trace determination of nickel, cadmium-, copper- and zinc(II) using rhodanine – an amperometric reagent, 143

Sequential separation and spectrophotometric determination of cobalt and nickel using α-oximinoacetoacetanilide benzoylhydrazone, 145

Mixed ligand chelates of some multidentate heterocycles with cobalt(II) and nickel(II) imides, 174

A novel ionophoretic technique in the study of binary and ternary complexes of nickel(II) and cobalt(II), 680

Studies on *N*-[2-thienylmethylidene]-α-hydroxy-1-aminoethane complexes of cobalt-, nickel- and copper(II), 780

Spectrophotometric determination of nickel using sulfosalicylic acid, 939

Niobuim

A highly selective spectrophotometric determination of niobium(V) using 6-chloro-2-(2′ furyl)-3-hydroxy-4-oxo-4*H*-1-benzopyran as a complexing agent and chloroform as an extractant, 837

Nitrilo tin acetic acid

A novel ionophoretic technique for the study of binary and ternary metal complexes, 807

Nitrogen oxide

Maximum conversion in presence of inert gas, 110

Influence of inert gas on isoconversion curves and equilibrium conversion, 120

Nitrolotriacetic acid

A novel ionophoretic technique in the study of binary and ternary complexes of nickel(II) and cobalt(II), 680

Nitrosyl complex

On mononitrosylcobalt(biguanidinium) complexes, 912

NMR spectra

Pulse schemes for detection of quaternary carbons with and without proton decoupling, 367

Norfloxacin

Physicochemical and biological studies on manganese(II)- and zinc(II)-norfloxacin complexes, 40

Nuclease activity

Nuclease activity of transition metal complexes – a review, 69

Nucleofuge effect

Nucleofuge effect : the kinetic and mechanistic studies of the reactions of some *O*-aryloximes and phenyl naphthyl ether with *n*-butylamine in acetonitrile, 95

Nucleophilic attack

Peroxyacid oxidations : kinetics and mechnism of oxidation of α,β-unsatuated ketones by peroxomonophosphoric acid and peroxomonosulfuric acid, 879

Obituary

R. C. Paul, 63

S. M. Mukherji, 871

Octanol

Study of solvation interaction in ethanol + octan-1-ol mixture, 335

Oligomerisation

Oxidative cleavage of carbon-carbon triple bond – a review, 1129

Oligonucleotides

UV light-aided immobilization of oligonucleotides on glass surface usig *N*-(3-trifluoroethanesulfonyloxypropyl) anthraquinone-2-carboxamide (NTPAC) and detection of single nucleotide mismatches, 1193

Orange G

Molecular discriminative binding behaviour of crossliked polyvinylpyrrolidone with analogous dyes orange G and orange H, 894

Orange H

Molecular discriminative binding behaviour of crossliked polyvinyl pyrrolidone with analogous dyes orange G and orange H, 894

Organic base

Reaction of β-aminocrotononitrile with acid chlorides : a study of regiopreference, 1143

Organocuprates

Unusual selectivities of Gignards and organocuprates with formylcoumarins : stereochemical as well as conformational characteristics of the oxygen-heterocycles, 979

Organophosphates

A new method for the determination of some organophosphate insecticides, 717

Organotin

Molecular adducts of some triphenyltin(IV) *O,O'*-alkylene dithiophosphates, 38

L-Ornithine

Kinetics and mechanism of the reactions of chromium(III) and L-ornithine in aqueous solution, 810

Oscillatory phenomenon

Model simulation of Belousov-Zhabotinskii reaction containing oxalic acid and acetone as mixed organic substrate in CSTR mode, 100

A comprehensive report on the study of B-Z oscillatory reactions BrO_3^--GA and BrO_3^--oxalic acid-acetone systems, 479

Osmium

N,N'-Dipyridylthiourea as a new sensitive reagent for the extraction and spectrophotometric determination of osmium(VI) and iridium(III), 797

Outer-sphere complex

Kinetics and mechamism of the reactions of chromium(III) and L-ornithine in aqueous solution, 810

Oxalate

Kinetic studies on the oxidation of oxalate and malonate by bis(μ-oxo)manganese(III,IV)-cyclam complex, 545

Oxalic acid

Model simulation of Belousov-Zhabotinskii reaction containing oxalic acid and acetone as mixed organic substrate in CSTR mode, 100

Oxalic acid – a new catalyst for the synthesis of dihydropyrimidinones in solvent-free condition, 1175

Oxathiolane

Mild and efficient iodine catalyzed protection of carbonyl compounds as oxathiolane derivatives, 1005

Oxazines

Synthesis and antimicrobial screening of cyclohexenones and oxazines, 55

Oxazolidinones

Samarium triiodide catalyzed cycloaddition of epoxides with isocyanates : a facile synthesis of oxazolidinones, 36

Oxidation

Kinetics of oxidative degradation of DL-methionine by cerium(IV) in aqueous perchloric acid media, 91

Maximum conversion in presence of inert gas, 110

Kinetics and mechanism of ruthenium(III) chloride catalyzed oxidation of phosphorous acid by peroxomonosulfate in acetate buffers, 233

Kinetics of surface-catalyzed autoxidation of aqueous sulfur dioxide in cobalt(III) oxide suspensions, 391

Down the polyhalide path, 431

Kinetic studies on the oxidation of oxalate and malonate by bis(μ-oxo)manganese(III,IV)-cyclam complex, 545

Kinetics and mechamism of micellar catalyzed autoxidation of ethanol, propanol and *n*-butanol by *N*-bromobenzamide, 787

Kinetics and mechamism of the oxidation of formic and oxalic acids by quinolinium bromochromate, 815

Oxidative cleavage of carbon-carbon triple bond – a review, 1129

Oximes

Nucleofuge effect : the kinetic and mechanistic studies of the reactions of some *O*-aryloximes and phenyl naphthyl ether with *n*-bulylamine in acetonitrile, 95

Oximinoacetoacetanilidebenzoylhydrazone

Sequential separation and spectrophotometric determination of cobalt and nickel using α-oximinoaceto-acetanilidebenzoylhydrazone, 145

Oxobutanamide

Extractive spectrophotometric determination of manganese(II) using 4-(methylphenyl)-3-oxobutanamide, 195

Palladium

Spectrophotometric determination of palladium(II) using 2-*cis* 3,7-dimethyl 2,6-octadien-1-oxime, 861

Applications of nonstabilized enolates as nucleophiles in palladium catalyzed allylic alkylations, 957

Paper chromatography

Chromatographic separation of amino acids on paper impregnated with zironium(IV) sulfosalicylate, 866

Perkin reaction

A new synthesis of 5-substituted-3-phenyl-2*H*-pyrano[2,3-*b*]quinolin-2-ones, 918

Perovskite

Synthesis and crystallochemical interaction of titama and zirconia based ceramic precursors, 373

Peroxomonosulfate

Kinetics and mechanism of ruthenium(III) chloride catalyzed oxidation of phosphorous acid by peroxo-monosulfate in acetate buffers, 233

Pesticides

A new method for the determination of some orgnophosphate insecticides, 717

Petrocarpus santalinus

Aurone glycosides from *Pterocarpus santalinus*, 190

Pharmaceutical

A facile and sensitive spectrophotometric analysis of sulfonamides in pure form and its pharmaceuticals, 934

Phenol

Studies on consolute solutions of two immiscible conjugated solvent systems with halide salts and carboxylic acids, 704

Phenylacetylene

Oxidative cleavage of carbon-carbon triple bond – a review, 1129

Phenylarsonic acids

Ineraction of phenylarsonic acid derivatives with Group IIA metal ions, 169

Phenylnaphthyl ether

Nucleofuge effect : the kinetic and mechanistic studies of the reactions of some *O*-aryloximes and phenyl naphthyl ether with *n*-butylamine in acetonitrile, 95

Phlogopite

Cesium uptake studies on synthetic $[KMg_3(Si_3AlO_{10})OH_2]$ gel and ordinary portland cement admixture, 642

Phosphaindolizines

Effect of introducing σ^2,λ^3-phosphorus in indolizine nucleus : a theoretical study, 997

Phosphate ester

A simple, general and inproved procedure for phosphorylation of alcohols catalyzed by indium(III) chloride, 1063

Phosphorous acid

Kinetics and mechanism of ruthenium(III) chloride catalyzed oxidation of phosphorous acid by peroxomonosulfate in acetate buffers, 233

Phosphorylation

A simple, general and inproved procedure for phosphorylation of alcohols catalyzed by indium(III) chloride, 1063

Photocatalysis

Photocatalysis : a promising technology for waste water treatment, 257

Microstructure and activity of platinized $CdS\text{-}Al_2O_3$ photocatalysts for reduction of water to hydrogen by visible light, 395

Photocatalytic bleaching

Effect of addition of sodium bicarbonate/carbonate on the rate of photocatalytic bleaching of methylene blue over CdS powder, 687

Photochemistry

Synthesis and photoelectrochemical studies on lithium titanium(IV) molybdate, 669

Photodegradation

Kinetics of irradiated semiconductor catalyzed degradation of picric acid, 181

Photoelectrochemical conversion

Studies on phtotoelectrochemical conversion, 441

Picolinic acid

Kinetics and mechanism of the reaction of hydroxopentaaquarhodium(III) ion with picolinic acid in aqueous media, 82

Picric acid

Kinetics of irradiated semiconductor catalyzed degradation of picric acid, 181

Piperazine

Microwave-assisted Knoevenagel condensation of ethyl cyanoacetate with aldehydes in solvent-free condition, 921

Platinum group metals

Substitution reactions of ligand bridged multinuclear complexes of platinum group metal ions, 227

Polyesters

Tailoring of unsaturated polyesters for inhibition of double-base and composite modified double-base rocket propellants, 575

Polychelates

Synthesis of some new metal(II) polychelates, 133

Polyhalides

Down the polyhalide path, 431

Polymer degradation

Microbial degradation of polyhydroxy ether of bisphenol-A using pseudomonous species, 147

Polymerization

Color bands polymer in methacrylic acid polymerization, 559

Polyphosphate

Catalytic action of water-miscible organic solvents on the hydrolytic degradation of phosphate glasses, 379

Polyvinylpyrrolidone

Molecular discriminative binding beraviour of crosslinked polyvinylpyrrolidone with analogous dyes orange G and orange H, 894

Portland cement

Chemistry of portland cement, 319

Premna tomentosa

Myricetin-7,3′,4′,7-trimethyl ether from the leaves of *Premna tomentosa*, 792

Presidential address

The Indian Chemical Society and its Journal, 727

Some useful plant-derived drugs : importance of enantiomeric stereospecificity, 731

Propellants

Ecoriendly energetic oxidizer-hydrazinium nitroformate (HNF) and propellants based on HNF, 563

Tailoring of unsaturated polyesters for inhibition of double-base and composite modified double-base rocket propellants, 575

Propionamide

Kinetics of resin-catalyzed hydrolysis of propionamide in aqueous and nonaqueous media, 762

Proton-carbon coupling

Pulse schemes for detection of quaternany carbons with and without proton decoupling, 367

Proton transfer

Excited state intramolecular proton transfer in 4-hydroxy-3-formylbenzoic acid at room temperature and 77 K, 473

Proton transfer reactions

Excited state intermolecular proton transfer reactions in few *N*-heterocyclic systems, 419

Pseudo-first order reaction

Kinetics and mechanism of the oxidation of some unsaturated acids by quinolinium bromochromate, 820

Pyranoquinoline

A new synthesis of 5-substituted-3-phenyl-2*H*-pyrano[2,3-*b*]quinolin-2-ones, 918

Pyrazole

pH-metric studies of copper(II) and thorium(IV) complexes with substituted pyrazolines and pyrazoles, 136

Pyrazoline

pH-metric studies of copper(II) and thorium(IV) complexes with substituted pyrazolines and pyrazoles, 136

Pyrazolopyridines

A convenient and expeditious synthesis of annulated *N,S*-heterocycles, 311

Pyridinealdoxime

Mixed ligand complexes of manganese, cobalt and zinc with 2-pyridinealdoxime and some neutral ligands, 49

Pyridinium chlorochromate (PCC)

Kinetics and mechanism of the oxidation of formic and oxalic acids by quinolinium bromochromate, 815

Pyridinium fluorochromate (PFC)

Kinetics and mechanusm of the oxidation of formic and oxalic acids by quinolinium bromochromate, 815

Pyridinium halochromate

Kinetics and mechanism of the oxidation of some unsaturated acids by quinolinium bromochromate, 820

Pyridopyrimidines

A convenient and expeditious syntheris of annulated *N,S*-heterocycles, 311

Pyrimidines

A convenient and expeditious synthesis of annulated *N,S*-heterocycles, 311

Pyrrole lactams

A facile route to *N*-fused pyrrole lactams, 790

Pyrrolothiazole

A one-pot synthesis of alkyl 5-amino-2-mercaptothiazole-4-carboxylates and sulphur-Claisen type rearrangement reactions of the corresponding *S*-allyl/propargyl compounds, 1037

Quantitative structure-activity relationship

Quantitative structure-activity studies of imidazolidinone benzene sulfonamides : human β_3-adrenergic receptor agonists acting as antiobesity drugs, 858

Quantum Brownian motion

Quantum Brownian motion and generalization of Arrhenius rate law, 511

Quaternary carbons

Pulse schemes for detection of quaternary carbons with and without proton decoupling, 367

Quinolinium bromochromate (QBC)

Kinetics and mechamsm of the oxidation of formic and oxalic acids by quinolinuum bromochromate, 815

Kinetics and mechanism of the oxidation of some unsaturated acids by quinolinium bromochromate, 820

Quinolinium halochromate

Kinetics and mechanism of the oxidation of some unsaturated acids by quinolinium bromochromate, 820

Quinoxalines

Synthesis and biological activities of some quinoxaline derivatives bearing aromatic halogen nucleus, 709

Radioprotection

Mechanism of radioprotection by 5-hydroxy-L-tryptophan, 619

Reaction mechanism

Concentration dependence of reaction rates and mechanism, 215

Reaction rates

Concentration dependence of reaction rates and mechanism, 215

Reactivity

Synthesis and reactivity of monochlorotetraphenoxoniobium(V) complexes, 875

Regiopreference

Reaction of β-aminocrotononitrile with acid chlorides : a study of regiopreference, 1143

Regiospecific conversion

Regiospecific conversion of substituted cinnamic acids to cinnamyl alcohols, 923

Retinoic acid

Stereoselective synthesis of new coumarin and *N*-methylcarbazole retinoic acid analogs, 650

Retinoids

Stereoselective synthesis of new coumarin and *N*-methyl carbazole retinoic acid analogs, 650

Reverse osmosis

Development of membrane technology in BARC, 327

Review

Nuclease activity of transition metal complexes – a review, 69

Crystal engineering – retrospect and prospect, 51

Concentration dependence of reaction rates and mechanism, 215

Substitution reactions of ligand bridged multinuclear complexes of platinum group metal ions, 227

Some novel facets of copper-zinc superoxide dismutase, 249

Photocatalysis : a promising technology for wastewater treatment, 257

Synthetic studies and structural aspects of some novel metallacyclic compounds incorporating nitrogen, oxygen and/or sulfur atoms, 281

Chemistry of portland cement, 319

Development of membrane technology in BARC, 327

Some aspects of pattern formation during electrochemical deposition of metals, 351

Excited state intermolecular proton transfer reactions in few *N*-heterocyclic systems, 419

Down the polyhalide path, 431

Studies on photoelectrochemical conversion, 441

A survey of progress on rates and mechanisms of reactions of metal complexes, 459

A comprehensive report on the study of B-Z oscillatory reactions BrO_3^--GA and BrO_3^--oxalic acid-acetone systems, 479

Golden jubilee of the saga of aluminium isopropoxide, 499

Natural dyes as neutralization isdicators – a short review, 505

Quantum Brownian motion and generalization of Arrhenins rate law, 511

A constrained variational route to Pauling's electronegativity values, 521

The scales and comcept of electronegativity, 527

Tailoring of unsaturated polyesters for inhibition of double-base and composite modified double-base rocket propelants, 575

Mechanism of radioprotection by 5-hydroxy-L-tryptophan, 619

Applications of nonstabilized enolates as nucleophiles in palladium catalyzed allylic alkylations, 957

Oxygenated germacranolides from compositae and their taxonomic significance, 971

Advances in the chemistry of thiazolidinediones as antidiabetic agents, 1045

Tetradecyltrimethylammonium permanganate : a novel potassium permanganate derived reagent for *trans*-dichlorination, *trans*-dibromination and *cis*-dihydroxylations of olefins, 1065

Role of amide and urea moieties in molecular recognition, 1111

Oxidative cleavage of carbon-carbon triple bond – a review, 1129

Reaction of β-aminocrotononitrile with acid chlorides : a study on regiopreference, 1143

Ionic liquids : the new generation solvents, 1153

Chemical consequences of the ground-state conformations of cyclooctyl rings. Examples of reactivity differences in α-hydroxy and α,α′-dihydroxy eight-membered cyclic ketones, 1201

Rhodanine

Trace determination of nickel, cadmium-, copper- and zinc(II) using rhodanine – an amperometric reagent, 143

Rhodium

Kinetics and mechamism of the reaction of hydroxopentaaquarhodium(III) ion with picolinic acid in aqueous media, 82

Resolution of dicyanobis(biguanidinium)cobalt(III) chloride, 914

Ruthenium

Formation of thiocyanato bridged dinuclear ruthenium(III) complex ion by the reaction between thiocyanato-pentaamineruthenium(III) and aquapentaamineru-thenium(III) complex ions in aqueous medium, 744

Synthesis of ruthenium(III) complexes with benzimidazole derivatives, 843

Salicylic acid

Effect of hydrogen ion concentration on stability of 1 : 1 complex of iron(II) with salicylic acid and its different derivatives, 848

Salicylidene thiosemicarbazides

Complexes of manganese(III) and cobalt(III) with some salicylidene-4,4-disubstituted-3-thiosemicarbazides, 693

Samarium diiodide

Facile synthesis of 3,4-dihydro-(2*H*)-1,2,4-benzothiadiazine-1,1-dioxides promoted by samarium diiodide, 637

Samarium triiodide

Samarium triiodide catalyzed cycloaddition of epoxides with isocyanates : a facile synthesis of oxazolidinones, 36

Satranidazole

Spectrophotometrcic methods for the determination of satranidazole, 863

Schiff base

Synthesis, magnetic and spectral studies of the coordination compounds of polystyrene anchored dibasic tridentate Schiff base, 3

Transition metal complexes of bis(*s*-methyldithio carbazate) res-diacetophenone, 44

Synthetic and structural studies of heterocyclic N_4O_2 aldimine an its bivalent metal complexes, 129

Mixed ligand chelates of some multidentate heterocycles with cobalt(II) and nickel(II) imides, 174

Stability constants and thermodynamics of complexation of Schiff base hydrazones derived from 3-hydrazino-6-phenylpyridazine and acetophenone derivatives, 622

Studies on *N*-[2-thienylmethylidene]-α-hydroxy-1-aminoethane complexes of cobalt-, nickel- and copper(II), 780

Synthesis of a polystyrene anchored Schiff base and its complexes with some 3*d*-transition metals, 841

Schmidt reaction

Unusual Schmidt reaction of some 2-benzylideneindane-1,3-diones, 1027

Sea mouse

Galactocerebroside and other secondary metabolites of sea mouse *Chloeia parva*, 1103

Seed oils

Faty acid composition of some minor seed oils from arid zone of Rajasthan, 141

Seeds

Time-course moisture content studies and water diffusivity of wheat and corn seed, 178

Selenocyanates

An efficient and convenient route to some isoselenocyanates via reaction of formamides with bis(trichloromethyl)carbonate and selenium, 645

Semiconductor

Semiconductor nanoparticles (CdS, ZnS and Zn_xCdS_{1-x}) in reverse micellar media, 551

Synthesis of a polystyrene anchored Schiff base and its complexes with some 3*d*-transition metals, 841

Separation

Synthesis of nano-sized metal oxide powders and their application in separation technology, 289

Serine

A novel ionophoretic technique in the study of binary and ternary complexes of nickel(II) and cobalt(II), 680

Sesquiterpene phenols

Facile total syntheris of (±)-α-herbertenol, (±)-1,4-cuparenediol and (±)-cuparene-1,4-dione, 989

Shift reagent

Eupacannol, a pentacyclic triterpene of a new skeletal type and other chemical constituents from *Eupatorium cannabinum*, 1209

Silicon carbide

Effect of SiC additive in reaction sintering of bauxite and titania, 166

Slag

Utilization of fly ash and blast furnace slag for the preparation of mullite based composites, 720

Sodium dodecyl sulfate

Water-in-oil microemulsion : influence of co-surfactant chain-length and nature of emulsifier, 305

Sodium monochloroacetate

Analysis of trace levels of toxic sodium monochloroacetate in alkylamidobetaines by HPLC, 199

Solar energy

Microstructure and activity of platinized CdS-Al_2O_3 photocatalysts for reduction of water to hydrogen by visible light, 395

Solubility

Studies on consolute solutions of two immiscible conjugated solvent systems with halide salts and carboxylic acids, 704

Solvation

Studies on the effect of substituents on the solvational behavior of 2-, 3- and 4-benzoic acids and their anions in ethanol + water mixtures from conductometric and solubility measurements, 271

Effect of DMF on the solvation behavior of $BiBr_3$ in MeOH and MeCN as a function of temperature, 755

Solvation interaction

Study of solvation interaction in ethanol + octan-1-ol mixture, 335

Solvent-free condition

Oxalic acid – a new catalyst for the synthesis of dihydropyrimidinones in solvent-free condition, 1175

Spatol

Synthesis of highly functionalised 3-oxatricyclo[6.2.0.0^{2,6}] decanes towards the synthesis of kelsoene and spatol, 1057

Spectrophotometric analysis

A facile and sensitive spectrophotometric analysis of sulfonamides in pure form and its pharmaceuticals, 934

Spectrophotometric method

Spectrophotometric methods for the determination of satranidazole, 863

Spectrophotometric study

Spectrophotometric determination of palladium(II) using 2-*cis* 2,7-dimethyl 2,6-octadien-1-oxime, 861

Spectrophotometry

A highly selective spectrophotometric determination of niobium(V) using 6-chloro-2-(2′-furyl)-3-hydroxy-4-oxo-4*H*-1-benzopyran as a complexing agent and chloroform as an extractant, 837

A facile spectrophotometric method for the determination of copper(II) using variamine blue as a chromogenic reagent, 937

Spectrophotometric determination of nickel using sulfosalicylic acid, 939

Spectrophotometric method for the determination of ziram and zineb with 1-(2-thiazolylazo)-2-naphthol (TAN) using Triton X-100 as the solubilizing agent, 941

Three simple visible spectrophotometric methods for the assay of cetirizine, 943

Sphingolipid

Synthesis of sphingosine relatives. Part-26 : Synthesis of ceramide 1{(2*S*, 3*R*, 4*E*)-*N*-[30′-(linoleoyloxy) triacontanoyl]-4-sphingenine}, a unique constituent of human skin, 1081

Sphingosine

Synthesis of sphingosine relatives. Part-26 : Synthesis of ceramide 1{(2*S*, 3*R*, 4*E*)-*N*-[30′-(linoleoyloxy) triacontanoyl]-4-sphingenine}, a unique constituent of human skin, 1081

Stability constant

Complex formation of some 3*d*-metal(II) ions with anthranilic acid *N*,*N*-diacetic acid in the absence and in the presence of some typical bidentate (N,N), (N,O$^-$) and (O$^-$,O$^-$) donor ligands, 7

Study of mixed ligand complexes and kinetic parameters of [Zn-antibiotics-aspirin] system : a polarographic approach, 47

Interaction of phenylarsonic acid derivatives with Group IIA metal ions, 169

Stability constants and thermodynamics of complexation of Schiff base hydrazones derived from 3-hydrazino-6-phenylpyridazine and acetophenone derivatives, 622

Micellar effect on metal-ligand equilibria of magnesium(II) and calcium(II) with L-arginine, 783

Effect of hydrogen-ion concentration on stability of 1 : 1 complex of iron(II) with salicylic acid and its different derivatives, 848

π-Stacking

Influence of π-stacking along with hydrogen bonding interactions in the recognition of monocarboxylic acids, 1187

Steel

Corrosion inhibition of mild steel in aqueous solutions of alcohol, 663

Stereoelectronic

Role of amide and urea moieties in molecular recognition, 1111

Stereoisomeric α,α′-dihydroxy ketones

Chemical consequences of the ground-state conformations of cyclooctyl rings. Examples of reactivity differences in α-hydroxy and α,α′-dihydroxy eight-membered cyclic ketones, 1201

Stochastically averaged dynamics

Stochastically averaged subdynamics of two-level systems (TLS) coupled to a colored noise : a nonperturbative time-ordered cluster cumulant method, 411

Stratum corneum

Synthesis of sphingosine relatives. Part-26 : Synthesis of ceramide 1 {(2*S*, 3*R*, 4*E*)-*N*-[30′-(linoleoyloxy) triacontanoyl]-4-sphingenine}, a unique constituent of human skin, 1081

Substitution reactions

Substitution reactions of ligand bridged multinuclear complexes of platinum group metal ions, 227

Sulfonamides

A facile and sensitive spectrophotometric analysis of sulfonamides in pure form and its pharmaceuticals, 934

Sulfonamidophenylazobisacetoxime

Analytical application of *p*-sulfonamidophenylazo-bisacetoxime in the spectrophotometric determination of iron(III), 793

Sulfosalicylic acid

Spectrophotometric determination of nickel using sulfosalicylic acid, 939

Sulfur dioxide

Kinetics of surface-catalyzed autoxidation of aqueous sulfur dioxide in cobalt(III) oxide suspensions, 391

Superoxide dismutase

Some novel facets of copper-zinc superoxide dismutase, 249

Supersonic ramjet

Endothermic fuels for supersonic ramjet, 535

Surfactants

Liquid membrane phenomena : characterization of liquid membranes generated by binary mixtures of surfactants, 241

Physicochemical properties of anionic-nonionic surfactant mixture : α-sulfonatomyristic acid methyl ester (MES) – nonaoxyethylene monododecyl ether ($C_{12}E_9$), 345

Synthesis

Synthesis of ruthenium(III) complexes with benzimidazole derivatives, 843

Synthesis and characterization of mixed ligand complexes of manganese-, iron-, cobalt- and nickel(II) with some disubstituted pyridines and catechol, 845

Synthesis and reactivity of monochlorotetraphenoxoniobuim(V) complexes, 875

On glucosyl thioureides : synthesis, antibacterial and antifungal studies of certain 2-*S*-tetra-*O*-benzoyl-D-glucopyranosyl-1,5-disubstituted-2,4-isodithiobiurets, 916

A new synthesis of 5-substituted-3-phenyl-2*H*-pyrano[2,3-*b*]quinolin-2-ones, 918

Complexing behavior of 2-amino-4-benzamidothiosemicarbazide towards some 3*d*-metals, 907

Synthesis of highly functionalised 3-oxatricyclo[6.2.0.$0^{2,6}$]decanes towards the synthesis of kelsoene and spatol, 1057

Ternany complexes

A novel ionophoretic technique for the study of binary and ternary metal complexes, 807

Thermal decomposition

Pressure dependence of thermal decomposition of ammonium nitrate oxidizer, 569

Thermal stability

Synthesis and characterization of mixed ligand complexes of manganese-, iron-, cobalt- and nickel(II) with some disubstituted pyridines and catechol, 845

Thermodynamic stability

Thermodynamic stability of some elementary chemical reactions investigated within the framework of comprehensive thermodynamic theory of stability of irreversible processes (CTTSIP), 583

Thiazine dyes

Fluorescence spectra of thiazine dyes in micellar solution of different surfactants, 427

Thiazolidinediones

Advances in the chemistry of thiazolidinediones as antidiabetic agents, 1045

Thiazolylazonaphthol

Spectrophotometric method for the determination of ziram and zineb with 1-(2-thiazolylazo)-2-naphthol (TAN) using Triton X-100 as the solubilizing agent, 941

Thienopyridines

A convenient and expeditious synthesis of annulated *N*, *S*-heterocycles, 311

Thienopyrimidines

A convenient and expeditious synthesis of annulated *N*, *S*-heterocycles, 311

Thienoquinolinone

Studies in thio-Claisen rearrangement : facile regioselective synthesis of 2*H*-thiopyrano[3,2-*c*]quinolin-5(6*H*)-ones, 1077

Thin layer chromatography

Reversed phase thin layer chromatography of amino acids on silicone fluid DC200, triaryl phosphate and tri-*n*-butylamine impregnated silic gel-G layers, 926

Thio-Claisen rearrangement

Studies in thio-Claisen rearrangement : facile regioselective synthesis of 2*H*-thiopyrano[3,2-*c*]quinolin-5(6*H*)-ones, 1077

Thiosemicarbazides

Complexes of manganese(III) and cobalt(III) with some salicylidene-4,4-disubstituted-3-thiosemicarbazides, 693

Complexing behavior of 2-amino-4-benzamidothiosemicarbazide towards some 3*d*-metals, 907

Thioureides

On glucosyl thioureides : synthesis, antibacterial and antifungal studies of certain 2-*S*-tetra-*O*-benzoyl-D-glucopyranosyl-1,5-disubstituted-2,4-isodithiobiurets, 916

Thixotropy

The influence of shear rate and rest time on the thixotropy of the complex thixotropic suspension of Fe-Al-Mg-MMH/montmorillonite, 160

Thorium

pH-metric studies of copper(II) and thorium(IV) complexes with substituted pyrazolines and pyrazoles, 136

Thorium halide

Complexes of thorium(IV) salts with morpholinomethylurea and related ligands, 909

Thorium nitrate

Complexes of thorium(IV) salts with morpholinomethylurea and related ligands, 909

Tin

Molecular adducts of some triphenyltin(IV) *O,O*-alkylene dithiophosphates, 38

Synthesis of bivalent mercury, lead, tin and zinc metal complexes with *N,N'*-bis (morpholinobenzoyl)urea : a photoelectron spectroscopic study, 42

Tiron

Trends in spectral parameters and nephelauxetic ratio values for some lanthanoid(III)-tiron complexes. Part-II, 640

Titania

Effect of SiC additive in reaction sintering of bauxite and titania, 166

Toluate

Synthesis of copper(II) toluate adducts with substituted morpholines, 747

Toluene

Facile one-pot green chemical synthesis of 1,3,5-tri-(quinazolinyl/benzothiazolyl/benzimidazolyl)-*s*-triazines in aqueous medium under microwaves, 1183

Topological matrices

On the study of Szeged Index and Wiener Index for monocyclic graphs from geodesic topological matrices, 597

Transition metals

Synthesis, magnetic and spectral studies of the coordination compounds of polystyrene-anchored dibasic tridentate Schiff base, 3

Complex formation of some 3*d*-metal(II) ions with anthranilic acid *N,N*-diacetic acid in the absence and in the presence of some typical bidentate (N,N), (N,O^-) and (O^-,O^-) donor ligands, 7

Transition metal complexes of bis(*s*-methyldithiocarbazate)res-diacetophenone, 44

Nuclease activity of transition metal complexes – a review, 69

Synthesis of some xanthato-complexes, 131

Synthesis of some new metal(II) polychelates, 133

Synthesis and spectral studies of some novel first transition metal complexes with 1-amidino-3-aryl-substituted-thioureas, 171

Stability constants and thermodynamics of complexation of Schiff base hydrazones derived from 3-hydrazino-6-phenylpyridazine and acetophenone derivatives, 622

Polymetallic complexes. Part-LXXXII. Bis-bidentate and bis-tridentate azodye dimeric complexes of Co^{II}, Ni^{II}, Cu^{II}, Zn^{II}, Cd^{II} and Hg^{II}, 696

Templete synthesis of Cr^{III}, Fe^{III}, Co^{III}, Ni^{II}, Cu^{II} and Zn^{II} complexes of 14- and 16-membered tetraaza-macrocycles, 803

Synthesis of a polystyrene anchored Schiff base and its complexes with some 3*d*-transition metals, 841

Effect of transition metal cations on the production of citric acid using mixed cultures of *Aspergillus niger* and *Candida gulliermondii*, 903

Triazines

Studies in the synthesis of 2,4,6-trichloro-1,3,5-triazine derivatives, 53

Synthesis and biological activity of some 2,4,6-trisubstituted-1,3,5-triazines, 138

Tris(1,10-phenanthroline)iron(II)

Kinetics of dissociation of tris(1,10-phenanthroline) iron(II) in aqueous and reverse micellar media – catalysis of Cu^{II}, Ni^{II} and Co^{II} ions, 86

Triten X-100

Spectrophotometric method for the determination of ziram and zineb with 1-(2-thiazolylazo)-2-naphthol (TAN) using Triton X-100 as the solubilizing agent, 941

Tween 20

Tween 20 and malachite green : a new reagent system for the micro-determination of phosphate in water and waste water, 868

Two level system

Stochastically averaged subdynamics of two-level systems (TLS) coupled to a colored noise : a non perturbative time-ordered cluster cumulant method, 411

Ultrafiltration

Development of membrane technology in BARC, 327

Ultrasonic velocity

Volumetric, viscometric and ultrasonic studies of some nitrate compounds in aqueous binary mixture of tetrahydrofuran at various temperatures, 886

Unsaturated acid

Kinetics and mechanism of the oxidation of some unsaturated acids by quinolinium bromochromate, 820

Urea

Synthesis and stability studies in physiological like conditions of a new compound of copper(II) with mixed ligands, 673

Role of amide and urea moieties in molecular recognition, 1111

Uranium

Synthesis and crystalochemical interaction of titania and zirconia based ceramic precursors, 373

UV light

UV light-aided immobilization of oligonucleotides on glass surface using *N*-(3-trifluoroethanesulfonyloxypropyl)anthraquinone-2-carboxamide (NTPAC) and detection of single nucleotide mismatches, 1193

Variamine blue

A facile spectrophotometric method for the determination of copper(II) using variamine blue as a chromogenic reagent, 937

Vilsmeier-Haack reaction

Chlorine directed formylation of chloroindanones under Vilsmeier-Haack reaction condition, 969

Viscosity

Excess molar volumes and viscosity deviations in binary mixtures of *N*,*N*-dimethylacetamide with formamide and *N*,*N*-dimethylformamide at 298.15, 308.15 and 318.15 K, 385

Studies on the densities, viscosities and adiabatic compressibilities of some mineral salts in aqueous binary mixture of tetrahydrofuran at different temperatures, 632

Excess molar volumes and viscosities for binary mixtures of dipropylene glycol monomethyl ether and of dipropylene glycol monobutyl ether with 1-propanol and 2-propanol at 298.15 K, 824

Volumetric, viscometric and ultrasonic studies of some nitrate compounds in aqueous binary mixture of tetrahydrofuran at various temperatures, 886

Wastewater

Photocatalysis : a promising technology for wastewater treatment, 257

A comparative assessment of adsorbents prepared from industrial wastes for the removal of cationic dye, 267

Tween 20 and malachite green : a new reagent system for the micro-determination of phosphate in water and waste water, 868

Water diffusivity

Time-course moisture content studies and water diffusivity of wheat and corn seed, 78

Xanthate

Synthesis of some xanthato-complexes, 131

New extraction-spectrophotometric determination of iron(III) with potassium isobutyl xanthate, 795

Ytterbium diiodide

Cyclodimerization of 1,1-dicyanoalkenes and arylidene cyanoacetates promoted by ytterbium diiodide, 163

Zinc

Physicochemical and biological studies on manganese(II)- and zinc(II)-norfloxacin complexes, 40

Synthesis of bivalent mercury, lead, tin and zinc metal complexes with *N,N*-bis(morpholinobenzyl) urea : a photoelectron spectroscopic study, 42

Study of mixed ligand complexes and kinetic parameters of [Zn-antibiotics-aspirin] system : a polarographic approach, 47

Mixed ligand complexes of manganese, cobalt and zinc with 2-pyridinealdoxime and some neutral ligands, 49

Synthesis of mixed ligand complexes of nickel-, copper- and zinc(II) with 5-bromosalicylaldehyde and β-diketones, 79

Synthetic and structural studies of heterocyclic N_4O_2 aldimine and its bivalent metal complexes, 129

Trace determination of nickel-, cadmium-, copper- and zinc(II) using rhodanine – an amperometric reagent, 143

Zircon

Utilization of fly ash and blast furnace slag for the preparation of mullite based composites, 720

Zirconium

Chromatographic separation of amino acids on paper impregnated with zircomum(IV) sulfosalicylate, 866

Zirconium tungstophosphate

Studies on a new composites material polyaniline zirconium(IV) tungstophosphate – a thorium(IV) selective cation exchanger, 57

Zirconolite

Synthesis and crystallochemical interaction of titania and zirconia based ceramic precursors, 373

J. Indian Chem. Soc.,
Vol. 80, December 2003, p. 1244-1248

Author Index

Aboul-Kashim, Ensaf, 197
Acharya, Prabhat Ku., 879
Adhikari, Sanat K., 597
Aditya, Sukumar, 551
Agarwal, Himanshu, 57
Agarwal, Sandhya, 127, 129
Aggarwal, Preeti, 1027
Agnihotri, N., 837
Agrawal, J. P., 575
Agrawal, Mithlesh, 79
Agrawal, N. R., 351
Agrawal, Y. K., 648
Alaudeen, M., 171
Ameta, Rajat, 257, 687
Ameta, Suresh C., 257, 687
Anand, S., 82, 810
Angumeenal, Ar., 903
Anitha, G., 894
Ansari, M. N., 131
Appala Raju, S., 863
Archana, 875
Arya, Kapil, 1183
Asthana, S. N., 563
Aswar, A. S., 44, 133
Awad, M. B., 762
Awasthi, Shubhra, 1129
Aziz, Sameena, 680
Bag, Bidhan Chandra, 511
Bagchi, Sanjib, 335
Balakrishna, K., 792
Banerjea, D., 459
Banerjee, B., 1005
Banerjee, D., 473
Banerjee, Debasish, 769
Banerjee, Dhruba, 511
Banerjee, Krishna, 51, 184
Banerjee, Pradyot, 545
Banerjee, Rintu, 147
Banerjee, Sajal Kumar, 921, 1175
Banerjee, Shyamapada, 1057
Banerji, Kalyan K., 431, 815
Bandyopadhyay, Susmita, 7
Banik, Suman Kumar, 511
Bansal, R. K., 997
Bansal, S. P., 391
Banthia, Ajit K., 147
Baranwal, B. P., 379
Barua, P., 1163
Basavaraja, C., 100
Basumajumdar, A., 166,720,723,899
Batra, Anita, 1031
Bhadange, S. G., 133
Bhagat, S. K., 654, 916
Bhagwat, V. W., 787
Bhalekar, Anil A., 583
Bhar, Durga Sankar, 1209
Bhardwaj, Richa, 33
Bhat, J. Ishwara, 755
Bhat, N. Gopalakrishna, 939
Bhat, S. N., 626
Bhatt, S. S., 875
Bhatnagar, A., 267
Bhattacharjee, Gurudas, 95
Bhattacharyya, N. K., 1163
Bhattacharyya, Manju, 979
Bhattacharyya, S. P., 521
Bhattacharyya, Sauryya, 899
Bhavsar, R. S., 669
Bhoopal, M., 677, 683
Bhowmik, Benoy B., 427
Bilehal, D. C., 91
Bina Rani (Mrs.), 912, 914
Bindu, Kumari, 249
Bisai, Shambhunath, 744
Biswas, P. K., 271
Biswas, Sudeshna, 479
Blejoiu, Serban, 120
Bodke, Yadav, 187
Bohra, Rakesh, 281
Bose, B., 875
Brahma, G. S., 810
Burande, Chandrakant S., 583
Cafferata, Lázaro F. R., 14
Castro, Eduardo A., 14
Chahar, Yogesh K., 843
Chakraborti, Ramaprasad, 1209
Chakravarty, B., 227
Chakravarty, Biswanath, 744
Chand, M., 861
Chand, Sulekh, 1045
Chandra, Ramesh, 1045
Chandrasekhar, K. B., 930
Chatterjee, A., 1143
Chatterjee, Mausumi, 427
Chattopadhyay, Sarmishtha, 921
Chattopadhyaya, M. C., 848
Chaturvedi, Shivani, 319
Chaudhary, Jyoti, 1045
Chaudhary, Radha, 257
Chaudhry, S. C., 875
Chaudhury, N. K., 33
Chauhan, R. S., 659
Chhabra, Neeru, 687
Chikhalia, K. H., 138
Choubey, Praveen, 40
Choudhary, C. K., 693
Choudhary, Ratan K., 693
Choudhury, Ankan, 632, 886
Connolly, Joseph D., 1169
Dagli, Selma, 1169
Dandia, Anshu, 1183
Das, Ansuman, 7
Das, Arabinda K., 769
Das, Arijit, 1063
Das, Debashis, 385
Das, Ishwar, 351
Das, P. K., 49
Das, S. S., 379
Das, Saktipada, 832
Das, Sunanda, 848
Dasgupta, Swagata, 147
Dashora, Rekha, 793
Daspoddar, P. K., 720, 723
Dass, Sujata K., 1045
Dave, D. P., 145
Dave Gautam, Mangla, 143
De, Aparna, 923
De, G. C., 551
De, K., 195
Deepak, Desh, 535
Dendage, P. S., 563
Deora, M. A., 141
Desai, K. R., 138
Desai, P. S., 138
Deshmukh, S. P., 654, 914
Desiraju, Gautam R., 151
Dey, B. P., 271
Dey Biswas, P., 195
Dhawan, Som N., 1027
Dinesh, N. D., 934
Ding, Jin-Chang, 36
Dogra, S. K., 419
Dubey, Bijyendra Kumar, 717
Dubey, S., 233

Dutta, Lakshmi Narayan, 979
Dutta Chowdhury, S. K., 1143
Dutta Gupta, Pranab, 989
Dwivedi, V. K., 868
El-Haty, Mohamad T., 197
Fadnis, Anand G., 759
Farrukh, Muhammad Akhyar, 156
Fu, Decai, 790
Gairola, Priti, 95
Gandhe, Sandhya, 143
Gandhi, R. P., 1193
Gangopadhyay, Ananya, 166, 723
Garg, Urmila, 53
Garg, Yajula, 843
Gaur, Santwana, 841
George, Abraham, 171
George, Remesh, 79
Ghandour, Mahmoud A., 197
Ghosh, Dulal C., 527
Ghosh, Kumaresh, 1187
Ghosh, M., 1077
Ghosh, Narendra Nath, 1045
Ghosh, Rathindranath, 411
Ghosh, S. P., 912, 914
Ghosh, Samaresh, 147, 1187
Ghosh, Santinath, 192
Ghosh, Subrata, 1057
Ghosh, Sukla, 1037
Goel, Atul, 311
Gómez-Vara, Manuel E., 14
Goswami, A. K., 659, 793
Goswami, B. N., 1163
Goswami, Shyamaprosad, 1187
Goyal, Neelam, 106
Guin, C., 1005
Gupta, A. P., 57
Gupta, Anjali, 281
Gupta, B. L., 569
Gupta, Dipti, 1045
Gupta, K. C., 1193
Gupta, Neelima, 997
Gupta, P. K., 3
Gupta, S. K., 351, 391
Gupta, Satish C., 1007, 1027
Gupta, (Miss) Shailey, 131
Gupta, Shankareswar, 545
Gupta, U., 941
Gupta, Upasana, 60
Gupta, V. K., 267
Gupta, Y. K., 215
Gurung, Bhoj Bahadur, 886
Haque, Md. Enamul, 1169
Harjani, Jitendra, 1153
Hartung, Ryan, 1201
Hazra, Braja G., 1065
Hazra, Dilip K., 21, 385
Hemkar, Shalini, 233
Hong-Dong, D., 160
Ikram, Saiqa, 57
Ilis, Monica, 673
Indrayan, A. K., 505
Ivanova, Diana, 650
Jagasia, Pooja V., 145
Jain, A. K., 267
Jain, Abhay K., 241
Jain, R., 656
Jain, Rajeev, 30
Jain, Ritu, 1073
Jain, Shubhi, 267
Jaiswal, P., 141
Jamode, V. S., 136
Jayasree, V., 626
Jeenu, R., 535
Jha, Anupam, 632, 886
Jha, Mrinmay, 886
Jhaumeer-Laulloo, S., 765
Jheengut, D., 765
Jorge, Nelly L., 14
Joshi, B. S., 367
Joshi, H. S., 707, 709, 711
Joshi, J. D., 181
Joshi, Krishna C., 985
Joshi, Rahul, 985
Joshua, C. P., 171
Jugoo, A., 765
Kabir-ud-Din, 305
Kachhadia, V. V., 707
Kalia, S. B., 747
Kalsotra, B. L., 909
Kamalakannan, P., 903
Kamboj, Ramesh C., 1007, 1019
Kapoor, Sudhir, 451
Karchaudhuri, Nilay, 923
Kashaw, Sushil K., 858
Kataky, J. C. S., 1163
Katritzky, Alan R., 1073
Kauffman, George B., 601
Kazmaier, U., 957
Kesharwani, Amul K., 47
Khan, Farid, 47
Khan, P., 521
Khan, Saba, 793
Khandelwal, C. L., 233
Kharat, R. B., 669
Khatri, Vineeta, 53
Khema Shree, 909
Khetrapal, C. L., 367
Khodabocus, A., 765
Khurana, Shiwani, 1019
Kiran Kumar, K. Y., 783
Kolancilar, Hakan, 853
Koleva, Rositza, 650
Koshti, N. M., 199
Kothari, Seema, 431
Krishna, Vivek, 971
Kriza, Angela, 673, 780
Kriza, Angela F., 780
Kulkarni, R. M., 91
Kulkarni, V. R., 100
Kumar, Ajay, 1035
Kumar, D., 3
Kumar, D. Pradeep, 683
Kumar, Harsh, 824
Kumar, P., 1193
Kumar, Sanjeev, 305, 1095
Kumar, Subodh, 1111
Kumbhat, Rupal, 815
Lahiri, S. C., 271
Lata, P., 861
Lavanya, K. V., 783
Liang, X. R., 645
Limaye, S. N., 640
Lohray, Vidhya B., 1095
Madnawat, P. V. S., 391
Mahalanabis, Kumar K., 1143
Mahato, Tapan K., 969
Maiti, Prabir Kumar, 166
Majhi, S. S., 559
Majumdar, Anadi, 1103
Majumdar, K. S., 1077
Majumdar, Kakoli, 832
Majumder, Suman, 1073
Makode, J. T., 44
Mal, Sajal Kanti, 969

Mali Patil, S. M., 863
Mandal, A., 473
Mandal, Kalyan Kumar, 1103
Mandal, Sheikh Hannan, 411
Mandlik, P. R., 133
Manhas, B. S., 747
Manoj, S. V., 391
Masuda, Yui, 1081
Mateescu, Monica, 110, 120
Mathew, Mendalin, 937
Mathew, T. Lazar, 33
Mathur, A., 141
Mathur, Mala, 803
Mehrotra, Ram C., 499
Mehta, Amita, 793
Mehta, J. R., 837
Mehta, R. K., 391
Mehta, S. K., 941
Mishra, K. K., 297
Mishra, L. K., 693
Mishra, Lallan, 249
Mishra, N. K., 661, 714
Mishra, Pradeep, 858
Mishra, S. S., 351
Mishra, S. S. D., 441
Mishra, V., 174
Misra, Aditya K., 60
Misra, B. M., 327
Misra, H. O., 449
Mitra, Alok Kumar, 51, 184, 921, 923, 1175
Mitra, N. K., 720, 723
Mittal, Ashwani, 1019
Mohanty, P., 82, 810
Mohanty, S., 82, 810
Mohapatra, Bipin B., 696
Mondal, Arabinda, 720
Mondal, Bhim Chandra, 769
Mori, Kenji, 1081
Moulik, Satya Priya, 479
Mruthyunjayaswamy, B. H. M., 863
Mukherjee, Debabrata, 989
Mukherjee Debashis, 411
Mukherjee, Dulal C., 479, 597
Mukherjee, G. N., 7
Mukherjee, Kallol, 479
Mukherjee, S., 473
Mukherjee, Tulsi, 451
Mukhopadhyay, J., 720
Mukhyopadhyay, Tapas, 192
Murali, N., 367
Murugesan, R., 894
Musaddiq, Mohammad, 916
Nagana Gowda, G. A., 367
Nagar, Meena, 861
Nagaraja, P., 934
Naik, S. D., 199
Nambiar, C. H. R., 939
Nandi, Aparna, 166
Nandi, Debasis, 21
Nandibewoor, S. T., 91
Naqui, Iftikhar Imam, 156
Nara, Susheel J., 1153
Narayana, B., 937, 939
Natani, Kavita, 971
Nayak, S. C., 49
Nazareth, Ronald Aquin, 939
Nimavat, K. S., 707, 709, 711
Oyman, Ülkü, 853
Page, A. G., 106
Pal, Amalendu, 824
Pal, Ashutosh, 989
Pal, Manojit, 1095
Pal, Tapan Kumar, 899
Palchaudhury (Mukhopadhyay), S., 797
Pan, Dipanjan, 969
Panda, A. B., 289
Panda, Radhasyam, 879
Pandey, Durgesh Kumar, 361
Pandey, M., 569
Pandey, Y., 38
Panja, Anangamohan, 545
Pannu, B. S., 169
Paquette, Leo A., 1201
Parashar, P., 391
Pare, Brijesh, 787
Parekh, H. H., 55
Pashkuleva, Iva, 650
Passi, Ashima, 178
Patel, Chirag C., 181
Patel, R. B., 138
Patel, R. P., 807
Pathak, A., 289
Patil, Sandeep R., 345
Patra, A., 792
Patra, Amarendra, 1103
Paul, Shiladitya, 723
Pop, Veronica, 673, 780
Popa, Dana, 673
Popat, K. H., 707, 709, 711
Pore, Vandana S., 1065
Prabhu, H. J., 903
Pradhan, Alka, 143
Pragya, 807
Prakash, Om, 1031, 1035
Pramanik, P., 289
Pramanik, Ramkrishna, 335
Prasad, D. S. N., 391
Prasad, Jagdish, 751
Prasad, R. K., 912, 914
Prasad, R. L., 341
Prasad, R. N., 79, 803
Purohit, D. N., 659
Radhakrishnan, Asha, 787
Rai, Sarita, 319
Rajendran, S. P., 918
Rakshit, Animesh Kumar, 345
Ralhan, Suman, 1027
Ram, Gena, 659
Ram, Vishnu Ji, 311
Ramakrishna, K., 86, 795
Ramanjaneyulu, G., 773
Rana, K. K., 1005
Rangappa, K. S., 934
Rani, A., 391
Ranu, Brindaban C., 1063
Rao, A. L. J., 941
Rao, B. Sreenivasa, 795
Rao, G. Nageswar, 783
Rao, I. Nageswara, 943
Rao, P. V. Subba, 86
Rao, S. V. Murali Mohan, 943
Rao, T. S. S., 1129
Rao, T. Siva, 783
Rawat, Sonali, 759
Ray, Deb Shankar, 511
Ray, Jayanta K., 969
Ray, Sibdas, 1037
Ray, Subrata K., 385
Rayeeny, S. A., 379
Reddy, D. Sudarshan, 11
Reddy, K. Hussain, 69, 930
Reddy, K. Indra Sena, 1179
Reddy, N. Ravi Kumar, 677
Reddy, P. Raveendra, 773

Reddy, T. Rama Subba, 943
Reddy, T. Sreenivasulu, 773, 930
Reddy, V. Krishna, 773
Rotaru, Petre, 110, 120
Roy, A. M., 551
Roy, Mahendra Nath, 632, 886
Roy, Mahuya, 832
Roy, Raja, 367
Roy, S. C., 1005
Sadana, Rachna, 1019
Saha, S., 551
Sahoo, K. K., 49
Sahu, Namita, 395
Sahu, Sabita Kumari, 879
Saini, Rajesh K., 1031
Salunkhe, Manikrao M., 1153
Sangapure, S. S., 187
Sanyal, Malika, 648
Sanyal, S., 663
Saraf, S. K., 696
Sarawgi, Pritima, 1183
Sardana, A. K., 747
Sareen, Vineeta, 53
Sarkar, Mili, 1143
Sarma, C. S. N., 777
Sarmah, G. K., 1163
Sastri, C. Kamala, 777
Sastry, C. S. P., 777, 943
Satyanarayana, S., 11, 677, 683
Saxena, Abhishek S., 311
Saxena, U., 656
Seleem, Hussein Sakr, 622
Seth, Gita, 843
Shaikh, Nizamuddin, 545
Shao, Ruimin, 790
Sharma, A., 169
Sharma, Beena, 841
Sharma, C., 926
Sharma, H., 926
Sharma, Kanti, 53
Sharma, Malti, 499
Sharma, Mamta, 1027
Sharma, N., 875
Sharma, Neetu, 233
Sharma, P. D., 233
Sharma, Pradeep K., 431, 820
Sharma, R. C., 127, 129
Sharma, Ramnik, 1027
Sharma, Ranjan, 1111
Sharma, Rashmi, 845
Sharma, S. D., 926
Sharma, Sangita, 181
Sharma, Vijay, 1031
Sharma, Vinita, 815
Shastry, (Late) V. R., 787
Sheikh, H. N., 909
Sherwani, M. R. K., 141
Shou, C. L., 637
Shrivastava, D. P., 373, 642
Shrivastava, Sadhana, 30
Shrivastava, Rashmi, 373, 642
Shrivastava, Shekhar, 42
Shukla, I. C., 717
Shu-Ping, L., 160
Sil, Arpita, 427
Sindhu, R. S., 845
Singh, A., 449
Singh, Anirudh, 499
Singh, Ashok Kumar, 95
Singh, D. K., 866
Singh, Gurdip, 361
Singh, Hari, 1019
Singh, Haridwar, 563
Singh, Harjit, 1111
Singh, Janhavi, 190
Singh, Kaman, 868
Singh, Kehar, 441
Singh, Man, 704
Singh, Manjulata, 42
Singh, N. B., 319
Singh, Pahup, 971
Singh, Pramila, 40
Singh, Punita, 379
Singh, R. K. P., 680, 807
Singh, Rupam, 95
Singh, Shiv P., 1035
Singh, Shubhra, 127, 129
Singh, Suman, 807
Singh, Surendar, 33
Singh, U., 391
Singhai, R., 640
Sinha, A. S. K., 395
Sinha, Dilip K., 597
Sinha, Saikat, 1057
Sobha, S., 765
Soliman, Omar A., 197
Sood, M. L., 178
Spânu, Cezar, 110
Spinu, Cezar, 780
Sreekumar, N. V., 937, 939
Sreelatha, T. N., 755
Sridhar, V., 11
Srikrishna, A., 1015
Srivastava, Bhavana, 866
Srivastava, Krishna, 751
Srivastava, P. K., 559
Srivastava, R. C., 449
Srivastava, S. K., 38
Su, W. K., 163, 637, 645
Subramani, B., 918
Subramanian, E., 894
Sud, D., 169
Suhas, 267
Sukumar, E., 792
Sun, G., 851
Swelam, A. A., 700, 762
Syamal, A., 3
Syamala, P., 86
Talapatra, Bani, 1209
Talapatra, Sunil Kumar, 727, 731, 1209
Taneja, Poonam, 53
Tarafdar, A., 289
Thakare, N. R., 136
Thaker, K. M., 709
Thakur, S. N., 341
Thulasidas, S. K., 106
Tiwari, Ashok Kumar, 717
Tiwari, V. K., 640
Ukpong, E. J., 751
Upadhyay, Jai P., 241
Upadhyay, S. N., 33, 395, 619
Vardia, Jitendra, 257, 687
Varma, Mohan, 569
Vasanth, Sarada, 792
Vasavada, Jaladhi A., 55
Vasoya, S. L., 711
Vassileva, Miglena, 650
Vassileva, Nikolaj, 650
Vats, Ritika, 127, 129
Veeramaneni, Venugopal Rao, 1095
Venkappayya, D., 903
Venkatathri, N., 691
Venkatesh Kumar, N., 918
Venkateswarlu, G., 86

Venkateswarlu, P., 795
Verma, Rajender S., 1031
Vijaykumar, D., 1015
Vipin, K., 937
Vishnuvardhan, T. K., 100
Voiculescu, Valeriu, 110, 120
Vora, Jabali, 181
Vyas, P. C., 843
Vyas, Shweta, 820
Wan-Guo, H., 160
Wasu, R. V., 133
Wei-An, ZH., 160
Wu, Hua-Yue, 36
Yadav, Puspa, 866
Yadava, R. N., 1179
Yang, B. B., 163, 637
Yang, Z., 851
Yang, Zhi, 790
Yeleswarapu, Koteswar Rao, 1095
Zhang, S. F., 851
Zhang, Shoufang, 790